

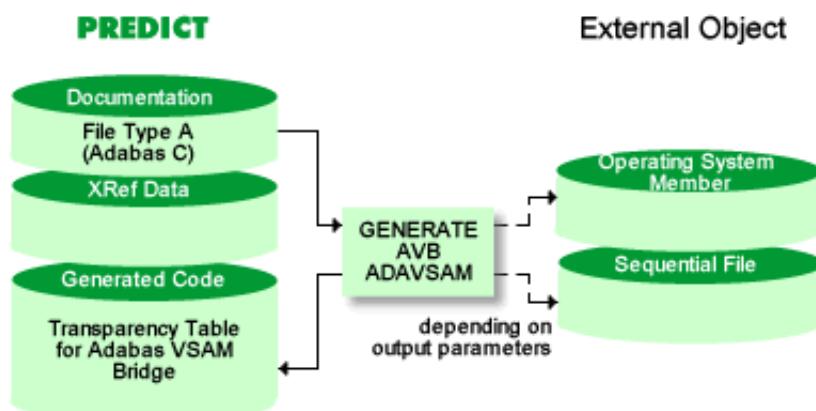
Adabas VSAM Bridge Transparency Table

The Adabas VSAM Bridge supports conversion from VSAM files of type KSDS (key sequenced data set) organization to Adabas files without the need to change existing COBOL programs. Both single-record and multi-record files are supported. The conversion of the VSAM record structures into an Adabas file is described by a transparency table which can be generated with Predict.

For details of the application of Adabas VSAM Bridge transparency tables, see the **Adabas VSAM Bridge Installation and Operations documentation**.

Note:

The optional parameters KEYB, PCKKEY, PFOFF1, PKOFF2, PREFSZE and RESET are not supported.



Prerequisites

Before Predict can be used to generate a transparency table for a VSAM file and an Adabas file, both files must be defined in Predict file and field objects.

- A single-record VSAM file must be completely defined in a file of type V and corresponding fields.
- A multi-record VSAM file must have a file of type V with field objects at least for the primary key, alternate keys and indicator field. The records are identified by the indicator field: its field short name must always be II. The different record structures must be defined as separate logical VSAM files in separate files of type L and respective fields.

The indicator value of the records must be entered as V-PREFIX to the logical VSAM file objects.

The primary key, alternate keys and indicator field must be defined with the same format and length in all files. The offset must be the same in all records.

A VSAM file, single-record or multi-record, is always converted into one Adabas file. Corresponding fields in an Adabas file, a VSAM file and logical VSAM files are connected using the field short name.

Rules Applying to the Design of the Adabas Files

The following points should be considered when designing an Adabas file:

- The format buffer definition in the transparency table is generated only for Adabas fields on level 1 so MU-fields must always be defined on level 1;
- The group structure in the VSAM file(s) and the Adabas file are independent but it must be possible to generate a format buffer for all VSAM record structures from the Adabas fields or groups on level 1;
- PE groups with more than 99 occurrences and MU fields with more than 191 occurrences must be split up in the Adabas file into several contiguous segments. The first segment must have the same field short name as that PE group or MU field has in the VSAM file; later segments must have field short names that do not exist in the VSAM file. All segments except the last must have 64 occurrences.
- The maximum length of the indicator field is 20 bytes and the indicator values must not contain blanks.

Calling the Function

The Generate Transparency Table screen is displayed with function code G and object code AV in a Predict main menu, or with the command GENERATE ADAVSAM.

```

09:28:23          ***** P R E D I C T  4.2.2  *****
Plan    0          - Generate Transparency Table -           2002-07-31

VSAM file ID ..... HNO-OT

Related ADABAS file ID ...

Save as member .....          Save in library ..... AVBLIB
Overwrite option ..... Y (Y,N)  Op. system member .....
Punch / output .....* N      Save incorrect code .. N (Y,N)

List generated code ..... Y (Y,N)  ADABAS version .....* I1
List key table ..... Y (Y,N)
List ADABAS relations .... Y (Y,N)
List VSAM relations ..... Y (Y,N)
Change ADABAS file ..... N (Y,N)

Command ===>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Help  Next   Stop  Last   LnkEl Flip  Print Impl  AdmFi SelFi Prof  Main

```

Values for input fields which have been locked by your data dictionary administrator cannot be overwritten. These fields are skipped when positioning the cursor with the TAB key. See Generation Defaults.

The parameter below can be changed in the Modify Adabas/VSAM Bridge Defaults screen. See Generation Defaults.

Presetting	
Library system	Library system for which the generated code is punched. Determines which additional cards need to be punched. An operating system member must be entered for the additional cards to be generated.
Parameters	
The parameters Save as member, Save in library, Overwrite option, Op. system member, Punch/output and List generated code are described in Parameters Specifying the Form of Output.	
VSAM file ID	ID of the Predict VSAM file object from which the definitions are to be generated. The file must be of type V (VSAM).
Related Adabas file ID	ID of the Predict file object from which the definitions are to be generated. The file must be of type A (Adabas). This parameter can be omitted if generation of a transparency table for the same two files has been started before.
Save incorrect code	Y A punch or save is performed even if errors are found.
Adabas version	Version of Adabas for which the transparency table is to be generated. Enter an asterisk for valid values or see Adabas Version for more information.
List key table	Y Summary of all VSAM keys is to be listed. In the case of a multi-record type file, the definitions of the indicator and the logical VSAM file with the indicator value are listed.
List Adabas relations	Y Attributes of the fields of the Adabas file and their corresponding VSAM fields are to be listed.
List VSAM relations	Y The fields of the different VSAM record types and corresponding VSAM fields are to be listed.
Change Adabas file	Y A transparency table is generated even if one has already been generated for the same VSAM file and a different Adabas file, provided that the newly specified Adabas file is not related to any other VSAM file.

Generate Transparency Table in Batch Mode

Command: GENERATE ADAVSAM.

Enter parameters on next line in positional or keyword form. VSAM File ID is obligatory, all other parameters are optional. If a parameter is not specified, the default value is taken.

Field	Keyword	Position
VSAM file ID	VSAM-FILE-ID	1
Related Adabas file ID	Adabas-FILE-ID	2
Save as member	MEM	3
Save in library	LIB	4
Overwrite option	REP-OPT	5
Op. system member	OS-MEMBER	6
List key table	LIST-KEY	7
List Adabas relations	LIST-Adabas	8
List VSAM relations	LIST-VSAM	9
List generated code	LIST-TT	10
Change Adabas file	REPLACE-ADA	11
Punch / output	PUNCH	12
Save incorrect code	SAVE-CODE	13
Adabas version	ADA-VER	14
If Entire System Server is used		
- DB-ID	NP-DBID	15
- Dataset	NP-DSNAME	16
- Volume	NP-VOLSER	17
- Library	NP-LIB	18
- Sublibrary	NP-SUBLIB	19
- Member type	NP-MEMTYPE	20
- VSAM catalog	NP-VSAMCAT	21

Parameters NP-LIB, NP-SUBLIB and NP-MEMTYPE must be specified if the generated code is written to workfile 1 (Punch/output=Y) and Library system=3.

Examples

Layout lists of the four files we have used as examples (one Adabas file, one physical VSAM file and two logical VSAM files) are given below. They are followed by part of the output produced when generating a transparency table for these files: the key table; the beginning of the description of the Adabas file; the beginning of the description of one logical VSAM file; and, finally, the transparency table. In the description of the logical VSAM file, the column headed FB DB gives the field short name used for the format buffer and the column headed OFF FB gives the offset of the field in the group used for the format buffer.

Sample File Definition

This sample file definition was used to create the sample output on.

13:26:11	***** P R E D I C T 4.2.2 *****	2001-11-05
- List File with Children -		
File ID AZ-QA-AVB-A-ART		

	ADABAS test file ARTICLE	
	for ADABAS VSAM BRIDGE (AVB)	
Cnt	Ty L Field ID	F Length Occ D DB S Off Dec Off Hex
	** *** FIX PART OF VSAM RECORDS ***	
1	GR 1 ART-FIX	AA 0 0
2	2 ART-DESC	A 32.0 D AB N 0 0
3	2 DATE-ADD	N 6.0 AC N 32 20
4	2 DATE-MODIFIED	N 6.0 AD N 38 26
5	GR 2 ART-NR	AE 44 2C
6	3 ART-REC-KEY	A 5.0 II N 44 2C
7	3 ART-GROUP	A 4.0 D AF N 49 31
8	3 DEPARTMENT	N 3.0 AG 53 35
9	3 SEQ-NR	N 2.0 AH N 56 38
10	3 CHECKDIGIT	N 2.0 AI N 58 3A
11	2 SPECIALIST	A 30.0 D AJ N 60 3C
12	2 REC-TYPE	N 2.0 D MI N 90 5A
13	SP 1 ART-KEY	A 16.0 D SK N
	>>> FIELD(S) SKIPPED FOR RECORDBUFFER STRUCTURE <<<	
	** *** SALES INFORMATION ***	
17	1 PRICE	N 5.2 AM N 92 5C
18	MU 1 DISCOUNT	N 5.2 6 AN N 99 63
19	1 STOCKS-NR-DELIVERY-CNT	N 2.0 B1 N 141 8D
20	MU 1 STOCKS-NR-DELIVERY	A 12.0 20 D AO N 143 8F
21	PE 1 STATISTICS-MONTH	12 AP 383 17F
22	2 TURNOVER	N 5.0 AQ N 383 17F
23	2 QUANTITY	N 5.0 AR N 388 184
	** *** COMPONENTS OF ARTICLE ***	
24	1 COMPONENTS-NR	N 2.0 AS N 503 1F7
25	PE 1 COMPONENTS	64 AT 505 1F9
26	2 COMPONENT-ART-NR	A 12.0 AU N 505 1F9
27	2 COMPONENT-QUANTITY	P 5.0 AV 517 205
28	PE 1 COMPONENTS-C	35 AW 1465 5B9
29	2 COMPONENT-ART-NR-C	A 12.0 AX N 1465 5B9
30	2 COMPONENT-QUANTITY-C	P 5.0 AY N 1477 5C5
31	1 STOCKS-CNT	N 2.0 B2 N 1990 7C6
32	PE 1 STOCKS	30 AZ 1992 7C8
33	2 STOCK-NR	A 12.0 A0 N 1992 7C8
34	2 STOCK-QUANTITY	I 4.0 A1 F 2004 7D4
	*** TOTAL LENGTH ***	
		2472 9A8
*** End of report ***		

13:41:46	***** P R E D I C T 4.2.2 *****	2001-11-05			
	- List File with Children -				
File ID	AZ-QA-AVB-V-ART				
Type	VSAM file				
<hr/>					
Abstract					
VSAM test file article					
FOR ADABAS VSAM BRIDGE (AVB)					
Cnt	Ty L Field ID	F Length Occ D DB S Off Dec Off Hex			
1	GR 1 ART-FIX		AA	0	0
2	2 ART-DESC	A 32.0	A AB N	0	0
3	2 DATE-ADD	N 6.0	AC N	32	20
4	2 DATE-MODIFIED	N 6.0	AD N	38	26
5	GR 2 ART-NR		AE	44	2C
6	3 ART-REC-KEY	A 5.0	II N	44	2C
7	3 ART-GROUP	A 4.0	AF N	49	31
8	3 DEPARTMENT	N 3.0	AG	53	35
9	3 SEQ-NR	N 2.0	AH N	56	38
10	3 CHECKDIGIT	N 2.0	AI N	58	3A
11	2 SPECIALIST	A 30.0	A AJ N	60	3C
12	2 REC-TYPE	N 2.0	MI N	90	5A
13	SP 1 REC-ART-KEY	A 16.0	P SK	44	2C
*** TOTAL LENGTH ***				92	5C
*** End of report ***					

13:43:40	***** P R E D I C T 4.2.2 *****	2001-11-05									
- List File with Children -											
File ID AZ-QA-AVB-L-ART-COMP											
Type Logical VSAM											
Cnt	Ty	L	Field ID	F	Length	Occ	D	DB	S	Off Dec	Off Hex
*** *** FIXED PART ***											
1	GR	1	ART-FIX						AA	0	0
2		2	ART-DESC	A	32.0		A	AB	N	0	0
3		2	DATE-ADD	N	6.0		AC	N	32	20	
4		2	DATE-MODIFIED	N	6.0		AD	N	38	26	
5	GR	2	ART-NR						AE	44	2C
6		3	ART-REC-KEY	A	5.0		II	N	44	2C	
7		3	ART-GROUP	A	4.0		AF	N	49	31	
8		3	DEPARTMENT	N	3.0		AG		53	35	
9		3	SEQ-NR	N	2.0		AH	N	56	38	
10		3	CHECKDIGIT	N	2.0		AI	N	58	3A	
11		2	SPECIALIST	A	30.0		A	AJ	N	60	3C
12		2	REC-TYPE	N	2.0		MI	N	90	5A	
13	SP	1	ART-KEY	A	16.0		P	SK		44	2C
*** *** VARIABLE PART ***											
14		1	COMPONENTS-NR	N	2.0		AS	N	92	5C	
15	PE	1	COMPONENTS			99	AT		94	5E	
16		2	COMPONENT-ART-NR	A	12.0		AU	N	94	5E	
17		2	COMPONENT-QUANTITY	P	5.0		AV		106	6A	
18		1	STOCKS-CNT	N	2.0		B2	N	1579	62B	
19	PE	1	STOCKS			30	AZ		1581	62D	
20		2	STOCK-NR	A	12.0		A0	N	1581	62D	
21		2	STOCK-QUANTITY	I	4.0		A1	F	1593	639	
*** TOTAL LENGTH ***											2061 80D
*** End of report ***											

13:45:17			***** P R E D I C T 4.2.2 *****					2001-11-05			
			- List File with Children -								
			File ID AZ-QA-AVB-L-ART-SALE								
			Type Logical VSAM								
<hr/>											
Cnt	Ty	L	Field ID	F	Length	Occ	D	DB	S	Off Dec	Off Hex
*** *** FIXED PART ***											
1	GR	1	ART-FIX						AA	0	0
2		2	ART-DESC	A	32.0		A	AB	N	0	0
3		2	DATE-ADD	N	6.0		AC	N	32	20	
4		2	DATE-MODIFIED	N	6.0		AD	N	38	26	
5	GR	2	ART-NR						AE	44	2C
6		3	ART-REC-GROUP	A	5.0		II	N	44	2C	
7		3	ART-GROUP	A	4.0		AF	N	49	31	
8		3	DEPARTMENT	N	3.0		AG		53	35	
9		3	SEQ-NR	N	2.0		AH	N	56	38	
10		3	CHECKDIGIT	N	2.0		AI	N	58	3A	
11		2	SPECIALIST	A	30.0		A	AJ	N	60	3C
12		2	REC-TYPE	N	2.0		MI	N	90	5A	
13	RE	1	ART-FIX							0	0
14		2	DEMO1	A	22.0					0	0
15	PE	2	DEMO-PE			1				22	16
16		3	DEMO2	A	22.0					22	16
17	RE	1	ART-FIX							0	0
18	PE	2	DEMO-PE2			1				0	0
19		3	DEMO3	A	44.0					0	0
20	SP	1	ART-KEY	A	16.0		P	SK		44	2C
>>> WARNING: VSAM SP-FIELD DEFINED BEFORE SOURCE-FIELD. <<<											
21		1	PRICE	N	5.2		AM	N	92	5C	
*/ *** VARIABLE PART ***											
22	MU	1	DISCOUNT	N	5.2	6	AN	N	99	63	
23	PE	1	STATISTICS-MONTH			12	AP		141	8D	
24		2	TURNOVER	N	5.0		AQ	N	141	8D	
25		2	QUANTITY	N	5.0		AR	N	146	92	
26		1	STOCKS-NR-DELIVERY-CNT	N	2.0		B1	N	261	105	
27	MU	1	STOCKS-NR-DELIVERY	A	12.0	20	AO	N	263	107	
*** TOTAL LENGTH ***											
*** End of report ***											

Sample Output

13:40:20 * * * * * P R E D I C T 4.2.2 * * * * * 2002-07-31
 - Generate Transparency Table - Page: 1
 File: AZ-QA-AVB-V-ART Fnr:
 126

*** Table of Keys ***

Type	Offset	Length	DD name	Unique
P	44	16	AVBVART	Y
A	0	32	ARTDESC	
A	60	30	ARTSPEC	

*** Sorted table of logical VSAM files ***

Indicator - Offset: 44 Length: 5 Number of logical VSAM files: 2

156 AZ-QA-AVB-L-ART-COMP	IND-V: 5x3b1
155 AZ-QA-AVB-L-ART-SALE	IND-V: 12345

13:40:44 * * * * * P R E D I C T 4.2.2 * * * * * 2002-07-31
 - Generate Transparency Table - Page: 2
 File: AZ-QA-AVB-A-ART Fnr: 76

T L	ADABAS Field	F	Length	D DB Occ	File name
Corresponding VSAM Field(s)					
GR 1 ART-FIX				AA	
GR 1 ART-FIX					AZ-QA-AVB-L-ART-COMP
GR 1 ART-FIX					AZ-QA-AVB-L-ART-SALE
2 ART-DESC	A	32.0	D AB		
2 ART-DESC	A	32.0	A		AZ-QA-AVB-L-ART-COMP
2 ART-DESC	A	32.0	A		AZ-QA-AVB-L-ART-SALE
2 DATE-ADD	N	6.0	AC		
2 DATE-ADD	N	6.0			AZ-QA-AVB-L-ART-COMP
2 DATE-ADD	N	6.0			AZ-QA-AVB-L-ART-SALE
2 DATE-MODIFIED	N	6.0	AD		
2 DATE-MODIFIED	N	6.0			AZ-QA-AVB-L-ART-COMP
2 DATE-MODIFIED	N	6.0			AZ-QA-AVB-L-ART-SALE
GR 2 ART-NR				AE	
GR 2 ART-NR					AZ-QA-AVB-L-ART-COMP
GR 2 ART-NR					AZ-QA-AVB-L-ART-SALE
3 ART-REC-KEY	A	5.0	II		
3 ART-REC-KEY	A	5.0			AZ-QA-AVB-L-ART-COMP
3 ART-REC-GROUP	A	5.0			AZ-QA-AVB-L-ART-SALE

13:40:44	***** P R E D I C T 4.2.2 *****				2002-07-31
	- Generate Transparency Table -				Page: 3
File: AZ-QA-AVB-A-ART					Fnr: 76
T L	ADABAS Field	F	Length	D DB Occ	File name
	Corresponding VSAM Field(s)				
3 ART-GROUP		A	4.0	D AF	
3 ART-GROUP		A	4.0		AZ-QA-AVB-L-ART-COMP
3 ART-GROUP		A	4.0		AZ-QA-AVB-L-ART-SALE
3 DEPARTMENT		N	3.0	AG	
3 DEPARTMENT		N	3.0		AZ-QA-AVB-L-ART-COMP
3 DEPARTMENT		N	3.0		AZ-QA-AVB-L-ART-SALE
3 SEQ-NR		N	2.0	AH	
3 SEQ-NR		N	2.0		AZ-QA-AVB-L-ART-COMP
3 SEQ-NR		N	2.0		AZ-QA-AVB-L-ART-SALE
3 CHECKDIGIT		N	2.0	AI	
3 CHECKDIGIT		N	2.0		AZ-QA-AVB-L-ART-COMP
3 CHECKDIGIT		N	2.0		AZ-QA-AVB-L-ART-SALE
3 DEPARTMENT		N	3.0	AG	
3 DEPARTMENT		N	3.0		AZ-QA-AVB-L-ART-COMP
3 DEPARTMENT		N	3.0		AZ-QA-AVB-L-ART-SALE
3 SEQ-NR		N	2.0	AH	
3 SEQ-NR		N	2.0		AZ-QA-AVB-L-ART-COMP
3 SEQ-NR		N	2.0		AZ-QA-AVB-L-ART-SALE
3 CHECKDIGIT		N	2.0	AI	
3 CHECKDIGIT		N	2.0		AZ-QA-AVB-L-ART-COMP
3 CHECKDIGIT		N	2.0		AZ-QA-AVB-L-ART-SALE
2 SPECIALIST		A	30.0	D AJ	
2 SPECIALIST		A	30.0	A	AZ-QA-AVB-L-ART-COMP
2 SPECIALIST		A	30.0	A	AZ-QA-AVB-L-ART-SALE
2 REC-TYPE		N	2.0	D MI	
2 REC-TYPE		N	2.0		AZ-QA-AVB-L-ART-COMP
2 REC-TYPE		N	2.0		AZ-QA-AVB-L-ART-SALE
SP 1 ART-KEY		A	16.0	D SK	
SP 1 ART-KEY		A	16.0	P	AZ-QA-AVB-L-ART-COMP
SP 1 ART-KEY		A	16.0	P	AZ-QA-AVB-L-ART-SALE

13:40:44	***** P R E D I C T 4.2.2 *****					2002-07-31
	- Generate Transparency Table -					Page: 4
File: AZ-QA-AVB-A-ART						Fnr: 76
T L	ADABAS Field	F	Length	D DB	Occ	File name
	Corresponding VSAM Field(s)					
1 PRICE		N	5.2	AM		
1 PRICE		N	5.2			AZ-QA-AVB-L-ART-SALE
MU 1 DISCOUNT		N	5.2	AN	6	
MU 1 DISCOUNT		N	5.2		6	AZ-QA-AVB-L-ART-SALE
1 STOCKS-NR-DELIVERY-CNT		N	2.0	B1		
1 STOCKS-NR-DELIVERY-CNT		N	2.0			AZ-QA-AVB-L-ART-SALE
MU 1 STOCKS-NR-DELIVERY		A	12.0	D AO	20	
MU 1 STOCKS-NR-DELIVERY		A	12.0		20	AZ-QA-AVB-L-ART-SALE
PE 1 STATISTICS-MONTH				AP	12	
PE 1 STATISTICS-MONTH					12	AZ-QA-AVB-L-ART-SALE
2 TURNOVER		N	5.0	AQ		
2 TURNOVER		N	5.0			AZ-QA-AVB-L-ART-SALE
2 QUANTITY		N	5.0	AR		
2 QUANTITY		N	5.0			AZ-QA-AVB-L-ART-SALE
1 COMPONENTS-NR		N	2.0	AS		
1 COMPONENTS-NR		N	2.0			AZ-QA-AVB-L-ART-COMP

13:40:44	***** P R E D I C T 4.2.2 *****				2002-07-31
	- Generate Transparency Table -				Page: 5
File: AZ-QA-AVB-A-ART					Fnr: 76
T L	ADABAS Field	F	Length	D DB Occ	File name
	Corresponding VSAM Field(s)				
---	-----	-----	-----	-----	-----
PE 1 COMPONENTS				AT 64	
PE 1 COMPONENTS				99	AZ-QA-AVB-L-ART-COMP
>>> Check different field occurrences <<<					
2 COMPONENT-ART-NR	A	12.0	AU		
2 COMPONENT-ART-NR	A	12.0		AZ-QA-AVB-L-ART-COMP	
2 COMPONENT-QUANTITY	P	5.0	AV		
2 COMPONENT-QUANTITY	P	5.0		AZ-QA-AVB-L-ART-COMP	
PE 1 COMPONENTS-C				AW 35	
2 COMPONENT-ART-NR-C	A	12.0	AX		
2 COMPONENT-QUANTITY-C	P	5.0	AY		
>>> Splitting of VSAM tables supposed. <<<					
1 STOCKS-CNT	N	2.0	B2		
1 STOCKS-CNT	N	2.0		AZ-QA-AVB-L-ART-COMP	
PE 1 STOCKS				AZ 30	
PE 1 STOCKS				30	AZ-QA-AVB-L-ART-COMP
2 STOCK-NR	A	12.0	A0		
2 STOCK-NR	A	12.0		AZ-QA-AVB-L-ART-COMP	
2 STOCK-QUANTITY	I	4.0	A1		
2 STOCK-QUANTITY	I	4.0		AZ-QA-AVB-L-ART-COMP	

COMPONENTS									
13:48:07		***** P R E D I C T 4.2.2 *****					2002-07-31		
		- Generate Transparency Table -					Page: 6		
File: AZ-QA-AVB-L-ART-COMP							Fnr: 156		
CNT	T	L	VSAM field	F	Length	D DB Occ	OFF	FB	OFF
			Corresponding ADABAS field				DB	FB	
1	GR	1	ART-FIX ART-FIX			AA	0	AA	0
2		2	ART-DESC ART-DESC	A	32.0	A AB D	0	AA	0
3		2	DATE-ADD DATE-ADD	N	6.0	AC	32	AA	32
4		2	DATE-MODIFIED DATE-MODIFIED	N	6.0	AD	38	AA	38
5	GR	2	ART-NR ART-NR			AE	44	AA	44
6		3	ART-REC-KEY ART-REC-KEY	A	5.0	II	44	AA	44
7		3	ART-GROUP ART-GROUP	A	4.0	AF D	49	AA	49
8		3	DEPARTMENT DEPARTMENT	N	3.0	AG	53	AA	53
9		3	SEQ-NR SEQ-NR	N	2.0	AH	56	AA	56
10		3	CHECKDIGIT CHECKDIGIT	N	2.0	AI	58	AA	58
11		2	SPECIALIST SPECIALIST	A	30.0	A AJ D	60	AA	60
12		2	REC-TYPE REC-TYPE	N	2.0	MI D	90	AA	90
13	SP	1	ART-KEY ART-KEY CHECKDIGIT	A	16.0	P SK D	44		
11		2	SPECIALIST SPECIALIST	A	30.0	A AJ D	60	AA	60
12		2	REC-TYPE REC-TYPE	N	2.0	MI D	90	AA	90
13	SP	1	ART-KEY ART-KEY	A	16.0	P SK D	44		
14		1	COMPONENTS-NR COMPONENTS-NR	N	2.0	AS	92	AS	0
15	PE	1	COMPONENTS			AT 99 94		AT	0

***** P R E D I C T 4.2.2 *****								2002-07-31	
- Generate Transparency Table -								Page:	7
File: AZ-QA-AVB-L-ART-COMP								Fnr:	156
CNT	T	L	VSAM field	F	Length	D	DB	Occ	OFF FB OFF DB FB
Corresponding ADABAS field									
<hr/>									
>>> Table is splitted in the ADABAS file <<<									
16	2	COMPONENT-ART-NR COMPONENT-ART-NR		A	12.0	AU		94	AT 0
17	2	COMPONENT-QUANTITY COMPONENT-QUANTITY		P	5.0	AV		106	AT 12
18	1	STOCKS-CNT STOCKS-CNT		N	2.0	B2		1579	B2 0
19	PE 1	STOCKS STOCKS				AZ	30	1581	AZ 0
20	2	STOCK-NR STOCK-NR		A	12.0	A0		1581	AZ 0
21	2	STOCK-QUANTITY STOCK-QUANTITY		I	4.0	A1		1593	AZ 12

***** P R E D I C T 4.2.2 *****										2002-07-31	
- Generate Transparency Table -										Page:	8
File: AZ-QA-AVB-L-ART-SALE										Fnr:	155
CNT	T	L	VSAM field			F	Length	D	DB	Occ	OFF FB OFF DB FB
Corresponding ADABAS field											
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1	GR	1	ART-FIX					AA		0	AA 0
			ART-FIX								
2		2	ART-DESC			A	32.0	A	AB	0	AA 0
			ART-DESC					D			
3		2	DATE-ADD			N	6.0	AC		32	AA 32
			DATE-ADD								
4		2	DATE-MODIFIED			N	6.0	AD		38	AA 38
			DATE-MODIFIED								
5	GR	2	ART-NR					AE		44	AA 44
			ART-NR								
6		3	ART-REC-GROUP			A	5.0	II		44	AA 44
			ART-REC-KEY								
7		3	ART-GROUP			A	4.0	AF		49	AA 49
			ART-GROUP					D			
8		3	DEPARTMENT			N	3.0	AG		53	AA 53
			DEPARTMENT								
9		3	SEQ-NR			N	2.0	AH		56	AA 56
			SEQ-NR								
10		3	CHECKDIGIT			N	2.0	AI		58	AA 58
			CHECKDIGIT								
11		2	SPECIALIST			A	30.0	A	AJ	60	AA 60
			SPECIALIST					D			
12		2	REC-TYPE			N	2.0	MI		90	AA 90
			REC-TYPE					D			

***** P R E D I C T 4.2.2 *****										2002-07-31		
- Generate Transparency Table -										Page:	9	
File: AZ-QA-AVB-L-ART-SALE										Fnr:	155	
CNT	T	L	VSAM field		F	Length	D	DB	Occ	OFF	FB	OFF
			Corresponding ADABAS field							DB	FB	
13	SP	1	ART-KEY ART-KEY		A	16.0	P	SK		44		
10		3	CHECKDIGIT CHECKDIGIT		N	2.0		AI		58	AA	58
11		2	SPECIALIST SPECIALIST		A	30.0	A	AJ		60	AA	60
12		2	REC-TYPE REC-TYPE		N	2.0		MI		90	AA	90
13	SP	1	ART-KEY ART-KEY		A	16.0	P	SK		44		
14		1	PRICE PRICE		N	5.2		AM		92	AM	0
15	MU	1	DISCOUNT DISCOUNT		N	5.2		AN	6 99		AN	0
16	PE	1	STATISTICS-MONTH STATISTICS-MONTH					AP	12 141		AP	0
17		2	TURNOVER TURNOVER		N	5.0	AQ		141		AP	0

***** P R E D I C T 4.2.2 *****										2002-07-31		
- Generate Transparency Table -										Page:	10	
File: AZ-QA-AVB-L-ART-SALE										Fnr:	155	
CNT	T	L	VSAM field		F	Length	D	DB	Occ	OFF	FB	OFF
			Corresponding ADABAS field							DB	FB	
18		2	QUANTITY QUANTITY		N	5.0		AR		146	AP	5
19		1	STOCKS-NR-DELIVERY-CNT STOCKS-NR-DELIVERY-CNT		N	2.0		B1		261	B1	0
20	MU	1	STOCKS-NR-DELIVERY STOCKS-NR-DELIVERY		A	12.0	AO	20	263		AO	0
								D				

```

13:48:07      ***** P R E D I C T  4.2.2  *****
                  - Generate Transparency Table -
File: AZ-QA-AVB-V-ART          2002-07-31
                                                Page: 11
                                                FnR: 126
*****
*   THIS TRANSPARENCY TABLE WAS GENERATED BY PREDICT
*   FOR VSAM    FILE: AZ-QA-AVB-V-ART
*   ADABAS FILE: AZ-QA-AVB-A-ART
*   ON: 2002-07-31 AT 13:48:07
*****
MCTAB TYPE=GEN, FN=AVBVART, FNR=76, RECSIZ=2061,
       KEY1=SK, KEYLEN=16, KEYOFF=44, INDXTYP=P,
       ODNAME=(AZ, AO),
       ODLEN=(2, 2),
       ODFMT=(U, U), OSOFF=(1581, 263),
       ODOFF=(1579, 261), ODPOS=(0, 0), OSSIZ=(16, 12),
       RECTYPE=Y, RECIDFB=II, RECTBYT=5, RECTOFF=44, RECTCNT=2,
       RECTFMT=A,
       RECFMTS=( '5x3b1AA, AS, AT1-64, AW1-35, B2, AZ001-030' , '12345A-
A, AM, AN1-6, AP1-12, B1, AO001-020' )
MCTAB TYPE=GEN, FN=ARTDESC, FNR=76, RECSIZ=2061,
       KEY1=AB, KEYLEN=32, KEYOFF=0, INDXTYP=S, UNIQUE=N,
       ODNAME=(AZ, AO),
       ODLEN=(2, 2),
       A, AM, AN1-6, AP1-12, B1, AO001-020')
MCTAB TYPE=GEN, FN=ARTDESC, FNR=76, RECSIZ=2061,
       KEY1=AB, KEYLEN=32, KEYOFF=0, INDXTYP=S, UNIQUE=N,
       ODNAME=(AZ, AO),
       ODLEN=(2, 2),
       ODFMT=(U, U), OSOFF=(1581, 263),
       ODOFF=(1579, 261), ODPOS=(0, 0), OSSIZ=(16, 12),
       RECTYPE=Y, RECIDFB=II, RECTBYT=5, RECTOFF=44, RECTCNT=2,
       RECTFMT=A,
       RECFMTS=( '5x3b1AA, AS, AT1-64, AW1-35, B2, AZ001-030' , '12345A-
A, AM, AN1-6, AP1-12, B1, AO001-020' )
MCTAB TYPE=GEN, FN=ARTSPEC, FNR=76, RECSIZ=2061,
       KEY1=AJ, KEYLEN=30, KEYOFF=60, INDXTYP=S, UNIQUE=N,
       ODNAME=(AZ, AO),
       ODLEN=(2, 2),
       ODFMT=(U, U), OSOFF=(1581, 263),
       ODOFF=(1579, 261), ODPOS=(0, 0), OSSIZ=(16, 12),
       RECTYPE=Y, RECIDFB=II, RECTBYT=5, RECTOFF=44, RECTCNT=2,
       RECTFMT=A,
       RECFMTS=( '5x3b1AA, AS, AT1-64, AW1-35, B2, AZ001-030' , '12345A-
A, AM, AN1-6, AP1-12, B1, AO001-020' )

*** End of transparency table ***

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