



VisualAge Pacbase



Help to upgrade Pacbase and/or DSMS to 1.5 or 1.6 version

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Before upgrading a PACBASE or DSMS databases from a previous release of 1.5, users need to look through the changes given by the different releases, that could impose, or allow, adjustments to the existing users' procedures.

Regarding PACBASE, some changes modify the existing applications (generated code, documentation), the database administration (modified files, batch procedures) and the users access to the database information (PAF programs).

Regarding DSMS, some changes modify the characteristics of the database administration (modified files, batch procedures) and the users access to the database information (queries and layouts).

To take advantage of the enhancements carried out or to insure the compatibility of the produced applications and the administration procedures developed by the users, once the database retrieved in 1.5 or 1.6 release, users eventually have to modify their programs and their tools, before giving the repository back to the developers.

That is the purpose of this document : to give the changes lists since the 8.0 release of PACBASE and DSMS and to show the impacts:

regarding PACBASE :

- . the generated cobol, coming from the different generators (Online, batch, DATA, SQL, DBD, CSSD),
- . the dictionary, PAF programs, batch procedures, the documentation.

At the bottom, users will find an 'environment and installation' chapter which shows the different changes for certain platforms.

Regarding DSMS :

- . general modifications, batch procedures,
- . tables,
- . queries and layouts.

Each change is stamped as follow:

- .Evolution no ascending compatibility problem
- .Correction no ascending compatibility problem
- . Impact problem of processing compatibility could possibly be faced, or administration problem.

At the end of this document, you will find a table of changes, that will allow you, for every platform, to find the version when the change has been included first.

PACBASE

Batch language and On-Line generator

8.0.1

Impact

Number : 002346

PACBASE constants now have identical generation for Batch and On-Line.

In Batch:

before	release 8.0.1
05 NUGNA PIC X(5)	05 NUGNA PIC X(5)
05 APPLI PIC X(3)	05 APPLI PIC X(3)
05 DATGN PIC X(8)	05 DATGN PIC X(8)
05 PROGR PIC X(6)	05 PROGR PIC X(6)
05 CODUTI PIC X(6)	05 CODUTI PIC X(8)
	05 TIMGN PIC X(8)
	05 PROGE PIC X(8)

In On-Line:

before	release 8.0.1
05 SESSI PIC X(5)	05 SESSI PIC X(5)
05 LIBRA PIC X(3)	05 LIBRA PIC X(3)
05 DATGN PIC X(8)	05 DATGN PIC X(8)
05 PROGR PIC X(6)	05 PROGR PIC X(6)
05 PROGE PIC X(8)	05 PROGE PIC X(8)
05 PROGE PIC X(8)	05 PROGE PIC X(8)
05 TIMGN PIC X(8)	05 TIMGN PIC X(8)
05 USERCO PIC X(8)	

Specification documented in STRUCTURED CODE Reference Manual.

8.0.2

Correction

Number : 003631

OCCURS 0 TO nnn DEPENDING ON generation for the COBOL II (X) variant.

8.0.2

Impact

Number : 004660

Data Element call Working lines (I-E-S type):
the deletion of a Data Element without the prior deletion of the lines on which it is called is now prohibited as a result of an existence check carried out on this element and of the increase of the cross-ref number on it. If the element is not found in the dictionary, the error message sent is a mere warning.
In case of a global substitution (.C2), the control on the element is not carried out but on the other hand, cross-references are created.

***** The COMPATIBILITY is not respected as the deletion of an element called in an I-E-S type W line is no longer authorized as it was in the previous version.**

8.0.2
Evolution

Number : 009731

Batch and OLSD generators / COBOL II compiler:
PACBASE constants are grouped in a same VALUE as the
COBOL II compiler distributes the VALUES according to their
length.

1.2
Impact

Number : 012561

YEAR 2000: new possibilities for the dates, available in version 1.2 :

. In the OLSD and Client/Server OLSD function, the years
2000 are handled by the initialization of DATCE with
value "20" if the year of the system date is < 61.

. Same possibility for the batch function: this initializa-
tion is inserted after the system date retrieving
operators.

NB: The insertion of this functionality after the ADT and
ADC operators is valid only with **Cobol II** and **Cobol 85**.

. For the batch function, recognition of the AD operator
which allows all the operations on dates (same functiona-
lity as in OLSD). By default, the date transformation
function is generated in **F9520**. The user may modify it
by coding, on an 'O' line of the Program's -G, the
DATPRO=ffss parameter (ffss is the chosen function-
subfunction code).

On-Line generator

1.5
Impact

Number : 011589

Programs, screens for the DPS7 variant ('4'): the use of the
Cobol string 'SIGN IS LEADING SEPARATE' corresponding to the
Pacbase use '1' is taken into account.

**CARE must be taken for Data Elements with this use but with
no DPS7 equivalent.**

1.5
Correction

Number : 013120

CICS Cobol II : deletion of the clauses FILE SECTION,
FILE-CONTROL and INPUT-OUTPUT SECTION if the Cobol II option
has been introduced in the library level. This allows you to use the WORD
compilation option to check the cobol II reserved words.

1.2
Impact

Number : 010323

New PACBASE constant : PACBASE Database code
A new line is added to the PACBASE-CONSTANTS generated
field :
05 COBASE PICTURE X(4).

1.2
Impact

Number : 010657

**AS400 generation: data elements with usage 'C' are generated
BINARY usage and no longer in COMP-4 in the screens.**

1.2
Correction

Number : 009493

TANDEM generation : placing the cursor when returning from HELP. Population of the zone NEW-CURSOR from the data gathered from HELP into the communication zone.

1.2
Impact

Number : 011508

DPS7 Online Screen : implementation of secondary keys. The access functions on the secondary key are now generated as a standard (they were previously under the users' responsibility until version 8.0.2).

An error of an invalid key occurs in the case where in the same FD clause you have segments from different data structures. The key is considered as part of the segment and not part of the first segment regrouped under the same external name.

Correction :

In the read access, the access key is only specified in the case where a secondary key has been requested for this segment.

8.0.2
Correction

Number : 004934

GP:GSP - Variant 4 generation : the OCCURS clause includes 1 TO nnn parameters only in the case of a DEPENDING ON.

8.0.2
Evolution

Number : 002344

If a Data Element is not required its input is validated even if it is left blank.

On the Screen Call of Elements (O.....CE screen) in the VALIDATION/CONDITIONS field, the value 'P' conditions update based on the presence of the Data Element.

This value is not compatible with the value 'N' added in release 7.3 which ignores controls coming from the description of the Data Element (E.....D).

Two values have been added:

F Optional input. Conditions update based on the presence of the Data Element, but does not take into account the description of the Data Element for controls.

S Required input. Does not take into account the Description of the Data Element for controls.

Specification documented in ON-LINE SYSTEMS DEVELOPMENT (OLSD) Reference Manual.

8.0.2
Correction

Number : 004348

DBD SQL:

Unsigned numeric fields called in tables or views (DB2-SQL DS-ORACLE V5 V6) are described as signed in input/output fields generated in working storage section to be in synch with the DDL generation during accesses.

8.0.2
Evolution

Number : 004515

CH:O-CE: implementation of / in fixed labels.

The calculation of a label length takes into account the '/' that may be included in the label.

8.0.2
Impact

Number : 005159

DATE format creation: CCYY-MM-DD ('G' format in the definition of the Data Element).

This format can be used with the AD dialogue operator, as well as in the DDL of DB2 and SQL/DS.

IMPORTANT (Dialogue): the TT-DAT zone uses data conversation vectors (formerly repeated 4 times) now repeated 5 times. The sub-routine F8120 is changed to take into account this new format.

8.0.1
Correction

Number : 005551

DPS8: generation DECIMAL POINT IS COMMA if the decimal separator declared on * line is the comma.

8.0.2
Impact

Number : 005649

Call of segments in the -W of a screen, description type 1 and description level 4 or 5: only the Data Elements of level 1 appear in generated Dialogue. Now, in order to make uniform the generated Batch and Dialogue programs, the Data Elements belonging to a Data Element group are also described.

****** COMPAT option:**

The consequence of this modification is the addition of Data Elements descriptions in the working of the screen, but the format of the generated Data Elements is not changed.

On the other hand, if this description had been used to describe the SQL Database (which does not allow group Data Elements), it is advised to no longer use this type of description, but to use the corresponding SQL organization.

8.0.2
Correction

Number : 004290

Bull DPS7 Questar (40) OLSD generation: the field INPUT-SCREEN-FIELDS declared in working storage section will be completed by a FILLER (70 long) to avoid an abort on execution when the length of the message actually received is higher than the one expected (use of function key, input of graphic characters...).

8.0.2
Correction

Number : 004676

Microfocus monitor generation: STOP RUN in F2910 and F81ER are replaced with a 'GOBACK'.
(For PAW specifications).

8.0.2
Correction

Number : 005558

GP:GCO Unisys 1100, ARRAY option:
redefinition of the FCA table to take into account the positioning of the cursor and of the attributes in the occurred fields.

8.0.2
Correction

Number : 005632

Tandem generation: 'F' nature elements (protected transmittable) will be declared with FROM option in SCREEN SECTION.

8.0.1
Impact

Number : 006644

F8150 generation. GO TO F8150-FN is no longer generated. When no documentation character has been detected, an instruction GO TO F8150-FN was generated before the label F8150-A. This generation was not compatible with the generation obtained with the 7.3 release in which it was possible to insert in level > 10 after the F8150 - for instance in function F8151. In order to maintain this compatibility, a GO TO F8150-B instruction is generated as well as the label F8150-B behind the label F8150-A.

Warning: any insertion of a user function in F81 is not advisable, this function being considered as a function reserved to the OSD generator.

8.0.2
Correction

Number : 009829

Dialogue Screen generation / Sort of WORKING fields. The following fields will be now sorted according to the segment code:
- in the CONFIGURATION level, ffnn-CF fields.
- the fields which contain the length of the segments 5-ffnn-LTH and 5-ffnn-LTHV.
- in the FIRST-ON-SEGMENT level, the ffnn-FST fields.

8.0.2
Evolution

Number : 009865

DPS6-DTF/DFC-VISION: the reinitialization of the numeric fields will be conditioned by ZERO and no longer SPACE (formatting for DTVRST order).

Batch Language

1.2
Impact

Number : 010055

Batch : USAGE 1 clause with a variant X generates a SIGN IS LEADING SEPARATE CHARACTER as OLSD. The "batch" generated code is aligned on the "on-line" generated code. It is the same for the variant 3.

8.0.1
Correction

Number : 005227

CH:P-CD GP:GCO:
Generation of BLOCK CONTAINS clause in FD if the RECORD number is other than zero (variant 4).

8.0.2
Evolution

Number : 009336

Modifications in the segment description to manage the variable files.

- Possibility to rewrite the FD clause of a file:
In the screen 'Modification beginning of program', the value 9* FF in the section/paragraph code will allow the rewriting of FD clause for FF file.
- OCCURS DEPENDING ON clauses:
 - . BULL DPS7 ('4') variant: generation of an OCCURS 0 TO n instead of an OCCURS 1 TO n.
 - deletion of DEPENDING ON clause in case this clause is in a working section being redefined.

8.0.2
Evolution

Number : 006654

Now, alignment of INTEREL RDBC generated DDL with the documentation contents (DZ31).
The changes are:

- . CREATE DATABASE: automatic addition of "ON RDBC".
- . CREATE INDEX: "ON table" clause before the element list.
- . ALTER TABLE: the "ADD" or "DROP" lists framed by brackets.
- . DROP INDEX: the sequence simply written with the name index.
- . DATE: written SSSS-MM-DD: Pacbase G format, M and G formats with a length of 10 characters accepted.

8.0.2
Impact

Number : 004619

CH:P-P:
Batch program, DEL operator (DELETE) : deletion of the point systematically generated on the previous line.
The '.' previously generated being suppressed, if there is no 99BL on DEL operator, DEL can be selected in tests written on previous lines.

8.0.1
Impact

Number : 005062

**IBM DOS/VSE Batch generation:
Specification modification:
In the writing function of a sequential file, generation of a DISPLAY instead of a STOP behind the INVALID KEY clause.**

8.0.2
Correction

Number : 005222

CH:P-P: compatibility with existing applications for a wrong use of sub-function levels.
In case the level (different from 99) is not mentioned on the first line of the sub-function, the NEXT SENTENCE ELSE will be generated all the same.

8.0.2
Correction

Number : 005494

HP3000: in Batch mode, SYNC option is deleted for a COMPUTATIONAL index group.

8.0.1
Impact

Number : 005572

CH:P-W - element call in I, E or S type working:
generation of the format on the next line so as to
introduce the clauses which must be declared before
the PICTURE.

***** **COMPATIBILITY** *****

**In the case of a user would have add an information on
the calling line , this information could be overwritten by
the format and therefore not be generated, starting from
8.0.2 this information will be again in the generated cobol.**

8.0.2
Correction

Number : 007476

HP3000 : DECLARATIVE, the STOP generated in
function F0A90 has been replaced by a STOP RUN.

8.0.2
Impact

Number : 007555

Generation 'SIGN IS LEADING SEPARATE' for IBM
DOS or MVS

To get 'DISPLAY SIGN IS LEADING SEPARATE I' usage 1
must be entered on the data element definition screen.

**(WARNING : Beware of elements which already have this
usage).**

8.0.2
Correction

Number : 009741

For an OCCURS without a "DEPENDING ON" clause, the option
is N and not "0 TO N".

If the "DEPENDING ON" is suppressed, the generation must
be modified to obtain OCCURS N.

8.0.2
Impact

Number : 011996

Batch : USAGE 1 clause with a variant X generates a
SIGN IS LEADING SEPARATE CHARACTER as OLSD.

The "batch" generated code is aligned on the "on-line"
generated code.

It is the same for the variant 3.

8.0.1
Impact

Number : 005549

CH:O-P:

'99BL' level will no longer be ignored when generating
even if the line has no operator and no conditioning.

DATA generation

- 8.0.2**
Evolution **Number : 009808**
- "COPY" generator: variable files.
The "OCCURS DEPENDING ON" are not generated in the "REDEFINES" descriptions.
For the variant 4 (GCOS7), the "OCCURS" changes from "1 TO" to "0 TO".
- 1.2**
Impact **Number : 005623**
- Generation of data: session number in the Before/
After cards (param.G) isn't followed by 'H' when generating from a frozen session.

Standard Query Language

- 1.5**
Correction **Number : 012688**
- SQL Database Block Description: in a DB Block Description's end, undesired lines indicate in which Screens the block is used.
These lines will no longer be displayed as they already appear at the beginning of the Block Description.
- 1.2**
Evolution **Number : 007801**
- Non Stop SQL (Tandem): in the DDL, the '=' sign at the beginning of an external name will be left.
- 8.0.2**
Evolution **Number : 005188**
- SQL/DS: generation of PUBLIC option instead of PRIVATE option in SQL ACQUIRE DBSPACE sequences.
- 8.0.2**
Impact **Number : 007327**
- INTEREL: modification of generated DDL and DML as follows:
- . The comment line is suppressed.
 - . Reject of signed DISPLAY numeric Data Elements.
 - . SQLCA option generates the "INCLUDE" and not "SQLCODE" and "SQL-MSG".
- 8.0.2**
Impact **Number : 007802**
- Tandem generation: accept the use of '1' to generate SIGN IS LEADING SEPARATE.
However, there will be an incompatibility between its use in Cobol and its use in the DDL as the sign is counted in the length of a Cobol string whereas it is not counted in the DDL.

Databases Description

8.0.2
Impact

Number : 005453

GP:GCB - back/front cards, call of the parameter corresponding to the generation session: from now on, the session number will be followed by the 'H' corresponding to the frozen session.

Client/Server generator

1.5
Evolution

Number : 012278

Server component: return to the client, the action codes transmitted to the server will be returned to the client if no errors have been detected (transfer of the field A-CATM).

1.5
Evolution

Number : 012375

Cobol II CICS VSAM files: the parameter KEYLENGTH is taken into account for the accesses for which the key has been specified.

1.5
Correction

Number : 012751

Server component : insertion in check functions of logical view data, the limit of 100 generated lines has been suppressed. Limit reminder: replacement and insertion of a data element are limited to one sub-function per data element and to 90 lines of generated processing per sub-function.

1.5
Correction

Number : 012810

TUXEDO component: additional option allowing to adjust the call parameters for a second level server. The option TRAN=YES or NO will be used in a first level server to handle the TPTRAN or TPNOTRAN parameters. An option CHANGE=YES or NO has been added for handling the parameters TPCHANGE or TPNOCHANGE depending on the value of the option.

1.5
Correction

Number : 013053

TUXEDO Client Component: when several server calls performed invalid absence of User Buffer transfer before each server call. It is generated only for the server whose Pacbase code is the smallest.

Dictionnary

1.5
Evolution

Number : 009863

From now on, the error message file (commands GEO and GED), will be converted into capital letters if the UPC flag has been set.

1.5
Evolution

Number : 012379

GP screen:
From now on, the PACBASE connexion change number will be transferred on the GPRT input identification line (*).
The user will then be able to retrieve it via optional control cards.

1.5
Evolution

Number : 012383

Definition of PL1 data elements: PL1 formats and usages accepted.
Data elements cross-reference: recognition of the 'Blank' character file for evaluating the cross-references.

1.5
Evolution

Number : 013207

Creation of data element in a PL1 library: recognition of the X(n) format. Now only the XXXXX format is accepted.

8.0.2
Correction

Number : 008313

USAGE 9 and sub-library with an X variant:
conversion of usage 9 into an usage 3.

8.0.2
Correction

Number : 009081

UNISYS Series A: "REAL" usage existing in the COBOL for this hardware is taken into account.
This usage hasn't got any PICTURE and takes up one WORD.
"J" value of PACBASE usages is retained.

8.0.2
Correction

Number : 009120

W usage is no longer converted for the libraries in DPS7 variant.

8.0.2
Correction

Number : 009412

W and F usages are no longer converted for the libraries in MICROFOCUS variant.

Batch Procedures

8.0.2
Impact

Number : 002029

Batch authorization for use of procedures and consistency of * line processing.

This Change involves:

1. Now, every user running a batch procedure must have the correct authorization level, as defined in PARM.
2. Consistency of * line processing:
 - 2.1. When processing locks for extractors, the user has the following options:

1. Extraction does not retain locks.
 2. User code of the "blocker" is replaced by user code on the * line.
 3. User code of the "blocker" remains the same.
- 2.2. Possibility to reset the Change number on the * line of extractors, number then directed to the output file.
 - 2.3. Possibility, in the extractors, to redirect or not the password of the * line to the output file.
3. Changing all lower-case to upper-case letters in all procedure commands.

8.0.2
Impact

Number : 002037

Batch procedure (REOR, QREO, TRUV, SIPE) user input:
Columns 72-80 cannot be used for user input (some editors use these columns in order to number the lines).

Changes:

REOR and QREO procedures user input:

- Library purge: 23 libraries maximum per line.
- Session purge/conservation: 17 sessions maximum per line.
- Entity physical purge: 5 groups "type/entity code/library" maximum per line.

EXPU output transactions:

- Entity physical purge: 5 groups "type/entity code/library" maximum per line.

SIPE procedure input:

- * line: the generation date used is no longer found at position 69, it is found at position 61.

TRUV procedure input:

- W1 line: no changes up to column 58.

New Data Elements:

pos.	len.	-meaning
59	3	report for font type
62	3	report for specific layout
65	3	reserved for the product

End of the line change:

68	2	'U' manual code to change (formerly col. 78)
70	1	to generate the -TA option (formerly col. 80)
71	10	not used

8.0.2
Evolution

Number : 003641

The validity of input values for batch procedures is now checked for all procedures.

8.0.2
Evolution

Number : 008278

Pacbase Procedures: new management of programme execution errors.

An error now results in an ABEND USER (USER COMPLETION CODE = 0012) instead of an ABEND S0C7, followed by a message printed in the SYSOUTfile. The message stays the same:

```
PROGR : pppppp INPUT-OUTPUT ERROR FILE : ff OP : oo
STATUS : nn
END OF RUN DUE TO PROVOKED ABEND
```

- 1.2**
Impact **Number : 010673**
- UPDT procedure:
From now on, the update procedure will send a return code according to the severity of the errors detected.
- 8.0.2**
Evolution **Number : 007748**
- P:UPDT: on the input transactions, the low-values are replaced with blanks.
- 8.0.2**
Evolution **Number : 008766**
- Batch update: PACA15 program.
A summary report of the erroneous transactions is added in the PAC7IF update program output.
- 8.0.2**
Evolution **Number : 006600**
- Pour lancer la procédure UPDT ou HIPE avec une demande d'historisation, l'utilisateur doit posséder une autorisation > ou = à 3 sur la base ou sur l'autorisation générale.
- 8.0.2**
Evolution **Number : 007862**
- A return code is displayed if there is a password error in HIPE
- 8.0.2**
Impact **Number : 006661**
- The transactions generated by an extraction procedure will have to be authorized by DSMS for UPDT update.
There will be no more 'N' in column 68 to inhibit the DSMS controls in UPDT procedure.
- 8.0.2**
Correction **Number : 007787**
- DSMS control: \$** ***** update authorized for all the user entity occurrences.

8.0.2
Correction

Number : 004424

P:UPDT : cross-referenced entities in a UEO will no longer be checked during deletion.
Background :

RMEN is generating 2 type transactions :

- . clearing of cross-referenced entities renamed in the run (uses), allowing them to be deleted.
- . deletion of UEO screens renamed in the run, where cross-referenced entities are still present.

UPDT procedure is controlling the existence of these x-ref entities, even during the UEO file deletion, causing deletion transaction of some screen (Y3) to be rejected.

Modification brought in UPDT :

The entities cross-referenced with a UEO screen, will no longer be controlled during the deletion of this screen.

8.0.2
Correction

Number : 005284

Background:

The update of the global transaction of a UEO file is carried out according to the elementary transactions constituting it, so as to order the elements as it is specified in the description of the user entity.

If a transaction specifies the label, and if this label is absent, it put the label in blank, even if it has been specified in the same flow.

Improvement made:

A transaction in which the label of the UEO screen is blank will no longer be interpreted as a putting in blank of the label.

1.5
Correction

Number : 009642

Matériel : IBM MVS

There is no User Code/Password any longer on the '*' line of a GPRT initiated via the GP screen if PACBASE run under the control of the RACF security module.

8.0.2
Impact

Number : 002845

User codes and passwords are now controlled by the EXLI procedure.

8.0.2
Impact

Number : 009235

EXPJ procedure: the users with an authorization level of 4 on the database now can access to EXPJ procedure.

(Amélioration also taken into account in procedure TRRP of Pac/Transfer)

1.2
Evolution

Number : 011005

EXPJ : A user with a 4 authorization level can ask for passing on the passwords with the EXPJ procedure.

8.0.2
Evolution

Number : 003203

P:EXPU : A new option to extract purge transactions is now available.
By default, the EXPU procedure extracted purge transactions for entities with no x-refs in the sub-net of the entity definition screen.

A new option (1 in column 19 of the command), allows purge transactions to be extracted on entities with no x-refs in either the sub-net of the definition screen, or in the upper network.

8.0.2
Evolution

Number : 003322

RMEN: New default option for assigning parent Data Elements.

The Data Element processing request no longer requires a parent Data Element code. This was necessary for the parent element to be attached, regardless of its state before RMEN.

New options:

The absence or presence of a parent Data Element is not changed.

"&&&&&" in the PARENT DATA ELEMENT field deletes the link to a parent Data Element.

To create a new link to a parent Data Element, input its code in the PARENT DATA ELEMENT field.

1.5
Correction

Number : 012087

RMEN: for similar update transactions, the order of the input transactions will be recognized.

8.0.2
Correction

Number : 002943

P:UPDT P:RMEN CH:S-DBE : The ELEM. field is not updateable, thus batch updates were rejected.
The ELEM. field on the CH:S-DBE screen is not an updateable field on-line.
When an element used in the ELEM. field of a CH:S-DBE screen needed to be renamed, the transaction aborted during the P:UPDT run with the following error message:
"6316E CONSULTED LINE : UPDATE PROHIBITED".
To correct the problem, the ELEM. field is reset to blank and thus the updates are not rejected.

8.0.2
Evolution

Number : 007922

P:RMEN: recodify the data elements preceded by a ' _ ' in the program Working Storage Section.

8.0.2
Evolution

Number : 003416

The maximum number of simultaneous accesses indicated in the database specifications does not change if the input line to the REST procedure is missing or if position 20 of this line is blank.

In PacBase releases before 8.0.2, if the restore input line was missing or if position 20 was blank, the maximum number of accesses was set to 300.

8.0.2
Evolution

Number : 005950

P:ARCH:

From the PACBASE 8.0.2 version, the print language of the archiving procedure summary reports will be:

In English if the error message file is in English or bilingual,

In French, if the error message file is in French.

8.0.2
Correction

Number : 005465

SNC: L4 transactions (block description -DR line) must have the continuation code blank.

Completing with "&" for all the blank fields of the transaction causes an erroneous formatting of the update transaction between PACA05 and PACA15.

8.0.1
Evolution

Number : 004808

P:PQCE P:PQCA: for PGM and ECR entities, on PMS line type, the IPMSCA column has been added, which locates the macro call lines.

Used in rule I00005.

Retrievals

8.0.2
Evolution

Number : 008344

Pacbase-Tables interface:

In case of a Pacbase platform different from the Tables platform:

- a save of the Tables description file (TD) is provided, for a migration to the Tables site:

SMTD procedure.

- a restoration of the Tables description file (TD) is provided, for a migration from the Tables site:

RMTD procedure.

(Refer to the change 7638).

Note: Paclan platform.

In the 8.0.2 B11 version, the names of these procedures were SVTD and RSTD.

8.0.2
Impact

Number : 008475

YSM entity retrieval programs.
Code change of all the YSM user entities (33 user entities).
The code change consists in inserting a 'D' on the second position of the entity code.
Code change of the data element '.P-T' into '.DPT'.
Code change of 10 relationship.
The code change consists in replacing the last code with a zero.
A retrieval of the backup file and the journal file is planned.

8.0.2
Impact

Number : 004001

PACDESIGN transactions Merise and Yourdon methodologies :
Deletion of the character '/' or others characters incompatible with Cobol codes for PAF queries on Pacdesign entities.
Two data elements contained a / in their code. This / has been replaced with -.

Reinsert Pacbase Batch transactions of the methodology in the database with a batch UPDT procedure.

8.0.2
Evolution

Number : 006405

In order to provide an upward compatibility, as far as the use of special characters in keywords are concerned, the values used in 8.0.1 are transferred in the error message file (AE).
These values will be consultable, and modifiable, via the user parameter transaction, PW choice.

PARM Procedure and Transaction

8.0.2
Evolution

Number : 003303

On the PU screen, the logical database name replaces the database root.

8.0.2
Evolution

Number : 009118

PARM :
=====

-New screen created in order to be able to associate a PACBASE database code to a DSMS database code.

-Screen PK modified:
security component added:
type of system
RACF class
blank passwords authorised

8.0.2
Impact

Number : 002881

PARM CH:PK : Only level-4 users will be authorized to update access keys and/or the DSMS root.

8.0.2
Impact

Number : 004957

P:PARM: ZERO authorization level no longer exists.

First problem: on the manual, it is mentioned that the total authorization level value could be blank or zero. In fact, blank only is authorized.

PARM: no blanking of the level with '&'.

2ø Problem: the overall authorization level cannot be put in blank again via '&' value in Batch mode.

Pacbase Access Facility

8.0.2
Evolution

Number : 004337

The table code appears in the communication area when receiving data.

1.2
Correction

Number : 010859 **Matériel : COS**

IBM only:

PAF COBOL-II: initialization of SYSPAF file by a procedure which is external to the program (IDCAMS).
As COBOL II does not accept an open INPUT/OUTPUT of an empty file, an OPEN OUTPUT was added at the beginning of the file access program (PBBT98) in order to initialize the files with a '9999999999' record.
As BLSR can not work on an empty input file nor on a file which has been opened several times, the record must therefore be inserted into the file before execution of the program from which the open OUTPUT has been deleted.

1.2
Correction

Number : 011495

PAF : Add an explicit message when the SYSPAF file is empty in input (return code 12)

8.0.2
Impact

Number : 006270

PAF: addition of CCHE and CCHETR columns in the RELXDBDDSH and SEGXDBDDSH tables (as for DBDSH).

8.0.2
Correction

Number : 006504

H type and ' ' type sessions equivalent.

In order to provide an upward compatibility 8.0 - 8.0.1, the ' ' type session will be equivalent to the 'H' type session if the session number is entered.

8.0.2
Correction

Number : 007951 **Matériel : DP7**

Implementation of PAFB98 dynamic CALLs in sub-programs PAF PAFB10 and PAFBWS.

8.0.2
Correction

Number : 008079

PAF: give value "(-DBE)" to the CDEL column in the SEGDEL table you have a complementary description line.

8.0.2
Evolution

Number : 008999

PAF optimization / Gathering of records + CONNECT controls.

1 - SYSPAF file :

Gathering of several records of a small length into a single one, without increasing the maximum length.

2 - The controls carried out during the CONNECT, will

be performed only if the context is different, even if the previous CONNECT was carried out on another cursor.

8.0.1
Evolution

Number : 004605

Parameterization of the preprocessor via the session code.

On 'SET' command, a session code different from the generation one can now be specified ('SESSION = sssss' where 'sssss' can be : 'nnnn' for the current session, 'nnnnH' or 'nnnnT' for the frozen sessions).

8.0.1
Correction

Number : 008069

Modification of PGMDEF table:
addition of the field for SQL.

Personalized Documentation Manager

8.0.1
Evolution

Number : 002291

It is now possible to indicate lines to be included in a Volume using the symbols \$ON and \$OFF, as they are used for commentary. Previously, only Data Element description lines with type '' (from the Call of Elements for Screens, Segments, User Entities, and MERISE objects) could be included. It is still the default option (-EO) that only lines with type '' are included.

On description lines of parent and child Data Elements \$ON and \$OFF should be used in conjunction with an option indicating whether or not to include the lines from the parent Data Element.

EP Prints parent and child Data Element description lines (default value). The choice SnnffCE makes it possible to edit the description lines designated by \$ON for parent and child Data Elements. The choice EcorubD makes it possible to edit all description lines for parent and child Data Elements.

-EP Does not print parent Data Element description lines. Only child Data Element description lines are printed. The choice SnnffCE makes it possible to

edit the description lines designated by \$ON for the child Data Element. The choice EcorubD makes it possible to edit the all description lines for the child Data Element.

Two additional options indicate whether or not to ignore the symbols \$ON and \$OFF:

EO Prints description line indicated by \$ON and \$OFF.

-EO Prints all lines of type ' '.

Specification documented in PERSONALIZED DOCUMENTATION MANAGER Reference Manual.

8.0.1 Evolution

Number : 002578

PDM: Specific developments for release 8.0.1

In order to more closely resemble WorkStation word processing and to create more attractive printed documents, PDM in release 8.0.1 includes several improvements.

1. USE OF CHARACTER FONTS

a. Definition of character fonts

The PACBASE Report defines the different fonts on '01' lines. Other lines contain associated text.

Each font is defined on a separate line. This input must respect the following rules:

- columns 1 to 5 contain the name chosen for the font,
- column 6 contains an equal sign ("="),
- the remaining columns contain print commands.

b. Using fonts in a PDM Volume

On the Volume definition screen, the heading "REPORT CODE FOR FONT TYPE" should indicate the three-letter code for the Report defining the fonts used to print the document. It is also possible to designate this Report on the GP screen when the Volume is generated. In this case, the parameter \$FT= is followed by the Report's three-letter code.

c. Using character fonts in a text

The command '\$+' followed by the name of a font ('\$+ROM12' for example) can be inserted directly in the text. The command must be separated from the rest of the text by at least one blank space. The font choice remains valid up to the next '\$+' command.

NOTE: Given that the width of each character depends on the font used, and that this width is unknown to the program managing justification, a justified text using special fonts is liable to lose its justification when printed.

2. NEW TEXT PROCESSING COMMANDS

a. Centering text

The commands \$-CN and \$\$-CN center text within a print window. With \$-CN words are run-up to the preceding line where possible, with \$\$-CN they are not.

b. Right justification

The commands \$-RN and \$\$-RN indicate right justification within a print window. With \$-RN words are run-up to the preceding line where possible, with \$\$-RN they are not.

c. Left justification

The commands \$-LN and \$\$-LN indicate left justification within a print window. With \$-LN words are run-up to the preceding line where possible, with \$\$-LN they are not.

d. Full justification

The command \$-JN indicates full justification within a print window. The command \$\$-JN indicates no justification within a print window. These two commands are equivalent to the already existing commands \$N and \$\$N respectively.

3. REMARKS

The types of specifications noted above are not necessarily taken into account by all the procedures using text processing. The table below indicates the possibilities:

```

-----
! Procedure or On-line Choice ! Char fonts ! Justification !
!-----!-----!-----!
! PDM (GPRT command PCV)      !      yes  !      yes  !
! PGDP (GPRT command PCV)    !      yes  !      yes  !
! On-line simulation (-SIM)   !      no   !      yes  !
! HELP (GPRT command GEO-GED) !      no   !      yes  !
-----

```

Specifications documented in PERSONALIZED DOCUMENTATION MANAGER Reference Manual.

8.0.2 Evolution

Number : 003110

The call type of a User Entity Occurrence is not printed with the list of these entities in a PDM Volume. Only the code for the User Entity Occurrence is printed.

Specification documented in PERSONALIZED DOCUMENTATION MANAGER Reference Manual.

8.0.1 Impact

Number : 004857

HELP:
Background:

An "old" text (that is with no \$), is justified and the window 70 is used.
For each paragraph change, (located by a K, a blank line...) the skip of this window is applied.
In this case, the skip value is 2.

Improvement made:

As long as an "old" text is not preceded by a PDM type text (with \$ orders), the skip value will remain 1 and the window will be the window 0, at the paragraph change.
That amounts to saying that the skip linked to the window 0

will be now 1, instead of 2.
See change 3593 for the management of these different texts.

Upward compatibility:

The clients using the \$0 or \$\$0 order in the PDM type texts, will have the skip reduced to 1 line space instead of 2. It is the only way to manage the skip properly on the "old" texts.

Environment and Installation

8.0.2
Impact

Number : 005773 Matériel : IMS

PACBASE IMS IBM:
The VSAM DSNames files are changed with respect to the previous version. They contain a suffix
.D for DATA
.I for INDEX
(instead of .DAT.rfffXX and .IND.rfffXX).

8.0.2
Evolution

Number : 005835 Matériel : DP8

UPDT DPS8: the print file format is now ASCII.

8.0.2
Evolution

Number : 007780 Matériel : LAN

PACLAN and PACLAN/X installation:

1. Modification of the directories created.

- the 'SAVE' directory is shared into 3 directories:
SAVE = sequential saves of the database and command files providing a rotation on 2 files for each saving (PCBACKUP.CMD, PJBACKUP.CMD, ...).
- INPUT = input transaction files and extracted transaction files.
- METHOD = transaction files for the Workstation, PAF, PQC, RTUE, ...

- addition of a ASSIGN/"db_name" directory including
 - . an assignment command file for each file of the database (PAC7AN.CMD, ...),
 - . an assignment command file for the generation skeletons (SQUEL.CMD).

These files are created at the installation.

2. Modification of the localization of some files:

- AE, AP and the generation skeletons are installed under BASES instead of BASES/"db_name".
- AE0 and PR are installed under SAVE instead of SAVE/"db_name".

Note: the installation and re-installation procedures were changed and include one or several

additional parameters.

8.0.2
Evolution

Number : 008823 **Matériel : U11**

P:SASY P:RESY P:PCJN P:PCBR: improvement of the saving and restoration performances.

PCJN and PCBR procedures respectively allow the user to build a PACBASE save file, from a sequential image of the data and index files, or to create a sequential image of the data and index files from a PACBASE saving procedure. No check is carried out on the consistency or integrity of the data and indexes.

These procedures can be used together with the RESY and SASY procedures, provided a save/restore utility program for sequential images of the database files is available (ex: UNLOAD/LOAD RDMS).

The maker format indexes only are taken into account, with the exception of the product format indexes (installation parameter DBINDEX=I).

Format of sequential images:

.Data: 140 or 7+140 (RDMS).

.Index : 43+11.

8.0.1
Correction

Number : 003677 **Matériel : OS2**

PACLAN : some improvements have been made in the Batch procedures.

The files assignments in all the Batch procedures (Database Management procedures) include now a backslash between the parameter (%1, %2 ...) and the file name.

This change homogenizes the parameters input in the use of the PACLAN Batch procedures and start-up procedures of PACLAN servers.

8.0.2
Evolution

Number : 009245 **Matériel : LAN**

Improvement of the On-line and BATCH concurrent updates.

1) PTUBAS program, which controls the validity of the database, has been modified so that, if an UPDT procedure is started during the on-line session, the message 'database not available' is not wrongly printed.

This correction implies the modification of the procedures including PTUBAS step (HIPE, SASY, SAVE and UPDT), as well as the REST and RESY procedures including PACA15 step:

For PACLAN:

In the PTUBAS and PACA15 steps, add the assignment line of PAC7LO file.

For PACLAN/X:

- addition in PTUBAS and PACA15 steps of the lines:

```
SEMLOCK='cat $PACDIR/assign/$1/SEMLOCK.ini'  
export SEMLOCK
```

- replacement in PTUBAS step of the line:

```
cobrun PTUBAS
```

with the line

rtscgi PTUBAS

- replacement in PACA15 step of the line:

cobrun PACA15

by the line

rtscgi PACA15

2) In UPDT procedure input, if 'Y' line is absent or erroneous, the database is locked during all the batch updates.

1.5
Evolution

Number : 012229 **Matériel : U11**

Automatic reinstallation of DPS screens

From now on the reinstallation of DPS screens will include the prior automatic destruction of the screens belonging to the previous version.

1.5
Correction

Number : 012315 **Matériel : DP7**

Addition of error message file assignment for the PTED60 program of the XPDM procedure

1.2
Evolution

Number : 009087 **Matériel : UIX**

PACLAN/X - DSMS/X: development of the Batch procedures for a multi-user context.

Two parameters (\$2 et \$3) are added to the Batch procedures that are likely to be executed simultaneously by several users:

- . The parameter \$2 is used as a root of all the files of the 'input' and 'tmp' directories.
- . The parameter \$3 is used as a suffix or as a sub-directory of 'input' and 'tmp' directories.

These parameters are given a value or not when each Batch procedure is started:

- . if \$2 and \$3 are blanked, the file assignment remains the same as in the previous versions,
- . \$2 can have a value given and \$3 be blank,
- . \$3 cannot have a value given without \$2,
- . \$2 must have two characters at a maximum, so that the files can be read under DOS or OS/2,
- . if \$3 starts by the '/' character, it represents a sub-directory of 'input' and 'tmp', otherwise it is a suffix of 'input' and 'tmp'; in any case, it is the user who has to create the induced directories.

The codification of the 'input' and 'tmp' directories and files is modified.

Examples:

The transaction file \$PACDIR/input/\$1/MBEXTR

becomes	\$PACDIR/input\$3/\$1/\$2MBEXTR
The output file	\$PACDIR/input/\$1/MVEXLI
becomes	\$PACDIR/input\$3/\$1/\$2MVEXLI
The temporary file	\$PACDIR/tmp/QS
becomes	\$PACDIR/tmp\$3/\$1/\$2QS
The report	\$PACDIR/tmp/SAVEEU.500
becomes	\$PACDIR/tmp\$3/\$1/\$2SAVEEU.500

Description of the modifications :

1. At the beginning of the procedure, the parameters are controlled by the call of USAGE.ini command file. This file is created during the installation under the directory : batch/proc and during the reinstallation under the directory : batch/proc.'reinstalled version number'
2. The assignment of the 'input' and 'tmp' directories is carried out by the execution of PACINPUT and PACTMP.ini command files, both created at the installation and at the creation of each database, under the directory : databases/'database name'
3. The assignment of the database files and of the generation skeletons is carried out by the execution of .ini command files, created at the installation and at the creation of each database, under the directory : assign/'database name'

All the PACLAN/X and DSMS/X Batch procedures were modified to include the execution of .ini files.

Only the following procedures can be executed in a multi-user context:

ACTI, DCOB, ECSP, EMLD, EMUP, EXLI, EXPJ, EXPU, EXTR, EXUE
GETA, GETD, GETI, GPRT, PPAF, PQCA, PQCE, PRPE, RVDE, RVKE
SADM, TRUV, UPDT, XPAF, XPDM, YSMC for PACLAN/X, and DEXH,
DEXP, DEXT, DPRT, DUPT, DXBJ for DSMS/X.

1.2
Impact

Number : 009822 Matériel : U1X

The initialization files of the PACLAN/X and DSMS/X servers and monitors are replaced with a command file.

8.0.2
Impact

Number : 009088 Matériel : U11

DIALOGUE / Error messages: these messages are now generated in ASCII sequence.

In the PACBASE 8.0.2 first version, the DIALOGUE error messages were generated in EBCDIC sequence.

From the PACBASE 8.0.2 02 version, the error messages are generated in ASCII sequence.

WARNING: in order to merge the error messages generated with an existing file (ERRMSG parameter of GPRT), if this file was obtained with a PACBASE 8.0.2 version prior to the 02 version, this file must imperatively be sorted in ASCII sequence before executing the GPRT procedure.

(key: position 1, length 17).

DSMS

General Modifications and retrievals

8.0.2
Impact

Number : 004122

The PRODUCT code has changed from one to three characters for both DSMS and PACBASE.

NOTE: PACBASE 8.0.1 recognizes only a one-character PRODUCT code . Therefore, only the first character is significant in the intermediate version DSMS 8.0.2 compatible with PACBASE 8.0.1, though 3 characters can be input.

This modification of the PRODUCT code length has the following consequences :

- Retrieval procedure between DSMS 8.0.1 and 8.0.2 (DR80);
- Modification of '*' -type lines in the batch procedure user input;
- Modification of extraction request lines for the DEXP procedure;
- Modification of the user authorization definition.

8.0.2
Evolution

Number : 005093

P:DR80: it is possible to modify the product code during the retrieval (1 to 3 characters):

An input file was added to the retrieval procedure:

PACDMB sequential, 80 characters

This file is composed of 2 fields repeated 20 times:

- previous product on 1 character
- new product on 3 characters

These 'previous/new product' sets can be written one after the other or with blanks, in several recordings.

maximum: 36 sets 'previous/new product'

36 recordings

8.0.2
Impact

Number : 009319

P:DR80: retrieval 802.01 or 02 to 802.03 (for the queries).

The modification of the '-S' screens caused a retrieval of the associated queries.

This retrieval was integrated in the existing retrievals:

- DR80 procedure: DSMS 801 into DSMS 802 03
- DR8X procedure: DSMS 802 compatible with PACBASE 801 in DSMS 802 03.

A special retrieval is added:

- DR8Q procedure: DSMS 802 01 or 02 to DSMS 802 03 using PDSR8Q and PDSR8R programs.

Refer to the chapters about the retrievals in the Operations Manual.

8.0.2
Impact

Number : 003106

DX:XS: the entity code will be on 8 characters instead of 6.

This modification will require a reorganization of the database (DREO) for the running from 8.0.1 to 8.0.2.

8.0.2
Correction

Number : 003108

DS:C-M DS:C-Q:

Zeros will complete the dates (after a right alignment) on the change -M and -Q screens.

A date entered '111 ' will be changed into '000111'

(= 11 January 1900)

'1111 ' will be changed into '001111'

(= 11 November 1900)

'11111 ' will be changed into '011111'

(= 11 November 1901)

These dates are already interpreted this way although the left zeros are not displayed.

8.0.2
Evolution

Number : 008484

The size of the update counters displayed on the right bottom of each screen, changes from 2 to 3 characters.

8.0.1
Impact

Number : 001269

DSMS : Enhancement of multilingualism management.

The DSMS module works primarily in one principal language.

It is possible, as an option, to manage other languages.

(something of interest to international organizations)

In the tables, the language code will be a minor criteria.

The entry of several labels (for example: English and French) will not occur automatically.

8.0.1
Impact

Number : 002187

DSMS CH:C-C A new field has been added on each line to limit DSMS access controls under PACBASE.

DSMS CH:C-C A new field has been added on each line to limit DSMS access controls under PACBASE.

If the value is 'N', the entity update is not allowed,

(for example: the change may be planned.)

If the value is 'A', the entity update is allowed,

If the value is 'C', the entity update is not allowed,

(for example: the associated change is completed.)

8.0.1
Evolution

Number : 002592

Additional fields have been added to define the concept of EXTERNAL REFERENCE in the definition screens of the event and of the change.

This external reference includes the DSMS database code, the product code, the subsidiary code (for events only), and the initial event or change number (information transfer from a DSMS database to another).

A new screen (choice LRC or LRE) allows to get the list of changes or events for a given external reference.

8.0.1
Evolution

Number : 002678

DSMS CH:C : Now, there is a check for a duplicate HARDWARE entry on the Change definition screen.

8.0.1
Correction

Number : 002697

DSMS: Line numbers will now accept blanks, and convert them to zeros.
In screens that have line numbers as the key, blanks will now be accepted and interpreted as follows:
It will be taken as an insignificant digit, if it precedes the number.
It will be omitted, if it follows the number.
(a line entered on all blanks will be interpreted as '000').

8.0.1
Impact

Number : 004825

DSMS: The userid on the change -C must now be declared to DSMS.
From this point on, userids who enter data on change -C screens must be declared in the DSMS users' table. If not, the updates will be rejected, not accepted with a warning message as was previously the case.

Batch procedures

1.5
Impact

Number : 009496

DEXP and DUPT : The return code is now set to 08 if an error has been found in the parameter line.

1.5
Impact

Number : 011222

Addition of a general return code to the PACDIA report of the DEXT procedure.

8.0.2
Evolution

Number : 008907 **Matériel : COS**

Modification of the provoked abend procedures.
New management of the anomalies in the batch program execution. ABEND U12 instead of S0C7.
(USER COMPLETION CODE = 0012) instead of a S0C7 abend, with a message sent on the SYSOUT file. The message remains unchanged.

8.0.2
Impact

Number : 009788

DXBJ Procedure: the transactions extracted by this procedure are preceded by a * line with a 'no sort' option for the DUPT batch update procedure.

The * lines preceding the transactions extracted by DXBJ procedure have now an 'N' in the column 36. It is a new option for DUPT which means that the transactions will not be sorted in the procedure input.

For the * lines preceding the transactions extracted by other procedures than DXBJ or for * lines entered manually, the default value of this option (blank) implies that the sort will be carried out.

8.0.2
Correction

Number : 007690

Standardize the use in the procedures of the database and of the input card language codes.

1.2
Correction

Number : 009341

P:DREO: the version date is put in blank when its value is zero in TVE table.

1.2
Impact

Number : 009921

DXBJ procedure / output '*' lines: the password now corresponds to the user who signed the update.

A '*' line is generated before each change of context (new user, product, subsidiary) in the lines extracted by DXBJ procedure.

This * line contains the code of the user who updated the group of lines corresponding to one context.

Before, the password indicated on this line was always the one of the '*' line provided in DXBJ input. This was true even for an update carried out by a different user.

From now on, the password is the one corresponding to the code of the user who carried out the update.

Therefore, DUPT execution with the transactions extracted by DXBJ in input is carried out without any transaction reject.

8.0.2
Impact

Number : 001263

New batch procedure (DPRT) that submits requests.

This procedure can also be used to print the contents of tables and keywords lists.

The DQRY procedure disappears.

This implies the modification of the procedure call on the LJQ screen.

8.0.2
Evolution

Number : 006077

From now on, on DEXT, if there is no product and subsidiary mentioned in "*" line, the codes entered on TUG screen are taken as default values.

8.0.2
Correction
Number : 006198
P:DEXP:
The transactions extracted from the PACBASE journal no longer keep the '&' for the -M update on DSMS, unless the transaction code of the extracted line is 'x'.

8.0.2
Correction
Number : 006355 **Matériel : COS**
P:DUPT: cause an abend if the files to be updated are opened in on-line mode or inconsistent.

8.0.1
Impact
Number : 005543 **Matériel : COS**
P:DUPT: the return code 12 is positioned if one of the DSMS files is opened in CICS during the execution of the DUPT procedure.

Tables

1.2
Impact
Number : 008287
**Addition of a consistency check on the TVE screen date: the date will have to be written as follows:
Year Month Day**

1.2
Impact
Number : 008310
DS:TUS DS:TUP: consistency check of information.
TUS: the subsidiary code is required and authorization levels are filled.
TUP: from now on, the product code is required if authorization levels are filled.

8.0.2
Impact
Number : 004519
In the user definition table, a new screen is available (choice TUP). With this screen the user assigns access authorizations for changes (according to product). Thus, the GENERAL AUTHORIZATIONS screen no longer contains these types of authorizations.

8.0.2
Evolution
Number : 005460
DS:SV: if a version delivered to a site is suppressed in the table, it is no longer taken by default on an event definition screen in which the technical package and the release only are entered.

8.0.1
Evolution
Number : 004061
On the TUS screen, it was possible to enter an alpha value in the authorization fields of the first user authorization by subsidiary. The accepted value did not result in any access authorization. These fields now only accept the values 0, 1, 2, or 3.

Queries and Layouts

1.5
Impact

Number : 010079

The update authorizations on the queries and on the reports depended on the authorizations given for the changes, events and sites (that is to say, a user could update a query or a report on the changes only with an authorization level higher than 2 for the changes, and it was the same for the events and the sites). From now on, the update of the queries and the reports will depend (as before the V02) on the general authorization.

8.0.2
Impact

Number : 008582

P:DPRT: new management rule for the selection criteria: Positive (=;>;<) and negative operators (!=;>=;<=) cannot be mixed on a same selection line.

For example:

PHASES..: =(PHASE01_PHASE05);!=PHASE03 is prohibited

PHASES..: =(PHASE01_PHASE02);=(PHASE04_PHASE04) " authorized

HARDWARE: >COS;!=DP8 is prohibited

HARDWARE: >='COS';!=DP8 is authorized

The following problems are corrected:

Selection on the repetitive fields with != operator.

Selection on the repetitive fields with a value interval.

Selection on repetitive fields of a screen (for instance, PHASES but not BASE of the -C) by comparing with SPACE (' ').

8.0.2
Impact

Number : 004828

DS:R DS:Q:

The blank character at the beginning or in the middle of a code is now prohibited for the report layouts and queries.

Table of changes by platform

Change number	Tech Rel.	COS	DOS	IMS	DP7	DP8	U11	OS2	UIX
001263	ID802	01	01	02	01	01		02	02
001269	ID801	v00		v00					
002029	PB802	01	120 v12	02	01	01	02	01	01
002037	PB802	01	120 v12	02	01	01	02	01	01
002187	ID801	v00		v00					
002291	PB801	v00	v00	v00	v00	v00	802 02	v00	v00
002344	PB801	v00	v00	v00	v00	v00	802 02	v00	v00
002346	PB801	v00	v00	v00	v00	v00	802 02	v00	v00
002578	PB801	v00	v00	v00	v00	v00	802 02	v00	v00
002592	ID801	v00		v00					
002678	ID801	v00		v00					
002697	ID801	v05		802 02					
002845	PB802	01	120 v12	02	01	01	02	01	01
002881	PB801	v00	v00	v00	v00	v00	802 02	v00	v00
002943	PB800						802 02		
003106	ID802	01	01	02	01	01		02	02
003108	ID802	01	01	02	01	01		02	02
003110	PB801	v00	v00	v00	v00	v00	802 02	v00	v00
003203	PB800			801 v00	801 v00		802 02		
003303	PB802	01	120 v12	02	01	01	02	01	01
003322	PB802	01	120 v12	02	01	01	02	01	01
003416	PB802	01	120 v12	02	01	01	02	01	01
003631	PB801	v08	v06	v06	v05	v06	802 02	11	11
003641	PB802	01	120 v12	02	01	01	02	01	01
003677 OS2	PB801							v00	
004001	PB801	v00	v00	v00	v00	v00	802 02	v00	v00
004061	ID801	v06		v00					
004122	ID802	01	01	02	01	01		02	02
004290	PB802	01	120 v12	02	01	01	02	01	01
004337	PB802	01	120 v12	02	01	01	02	01	01
004348	PB802	01	120 v12	02	01	01	02	01	01
004424	PB801	v03	v03	v05	v03	v03	802 02	v03	v01
004515	PB801	v08	v06	v06	v05	v06	802 02	v04	v01
004519	ID802	01	01	02	01	01		02	02
004605	PB801	v02	v03	v03	v02	v02	802 02	v02	v01
004619	PB801	v02	v01	v03	v02	v02	802 02	v02	v01
004660	PB802	01	120 v12	02	01	01	02	01	01
004676	PB801	v02	v03	v03	v02	v02	802 02	v02	v01
004825	ID801	v08							
004828	ID802	01	01	02	01	01		02	02
004857	PB801	v03	v02	v04	v03	v03	802 02	v03	v01
004934	PB801	v03	v02	v04	v03	v03	802 02	v03	v01
004957	PB801	v03	v03	v04	v03	v03	802 02	v03	v01
005062	PB801	v04	v03	v04	v03	v03	802 02	v03	v01
005093	ID802	01	01	02	01	01		02	02
005159	PB802	01	120 v12	02	01	01	02	01	01
005188	PB801	v08	v05	v06	v05	v06	802 02	v04	v01
005222	PB801	v06	v05	v06	v05	v06	802 02	v04	v01

Change number	Tech Rel.	COS	DOS	IMS	DP7	DP8	U11	OS2	UIX
005227	PB801	v06	v05	v06	v03	v06	802 02	v04	v01
005284	PB801	v06	v05	v06	v05	v06	802 02	v04	v04
005453	PB801	v08	v06	v06	v05	v06	802 02	v04	v01
005460	ID802	01	01	02	01	01		02	02
005465	PB801	v08	v06	v06	v05	v06	802 02	v05	v01
005494	PB801	v08	v06	v06	v05	v06	802 02	v05	11
005543 COS	ID801	v10							
005549	PB801	v08	v07	v06	v06	v06	802 02	v04	11
005551	PB802	01	120 v12	02	01	01	02	01	01
005558	PB801	v09	v09	v07	v06	v07	802 02	v05	11
005572	PB802	01	120 v12	02	801 v07	01	02	01	01
005623	PB120	v00	v12	v00	v00	v00	v00	v00	v00
005632	PB801	11A	11D	11A	11A	11	802 02	11A	11A
005649	PB802	02	120 v12	02	02	02	02	02	02
005773 IMS	PB802			02					
005835 DP8	PB802					01			
005950	PB802	01	120 v12	02	01	01	02	01	01
006077	ID802	01	01	02	01	01		02	02
006198	ID802	801 11		02	01	01		01	01
006270	PB802	01	120 v12	02	01	01	02	01	02
006355 COS	ID801	11							
006405	PB802	01	120 v12	02	01	01	02	01	02
006504	PB801	11	11D	11A	11A	11	802 02	11A	11A
006600	PB802	01	120 v12	02	01	01	02	01	02
006644	PB801	11	11D	11A	11A	11	802 02	11A	11A
006654	PB802	01	120 v12	02	01	01	02	01	02
006661	PB802	01	120 v12	02	01	01	02	01	02
007327	PB802	01	120 v12	02	01	01	02	01	02
007476	PB120	v00	v12	v00	v00	v00	v00	v00	v00
007555	PB120	v00	v12	v00	v00	v00	v00	v00	v00
007690	ID802	02		02	120 v00	120 v00		02	02
007748	PB802	02	120 v12	120 v00	02	02	02	02	02
007780 LAN	PB802							01	02
007787	PB802	02	120 v12	02	02	02	02	02	02
007801	PB120	v00	v12	v00	v00	v00	v00	v00	v00
007802	PB120	v00	v12	v00	v00	v00	v00	v00	v00
007862	PB120	v00	v12	v00	v00	v00	v00	v00	v00
007922	PB801	11E	802 02	11L	11E	802 01	802 02	802 01	802 01
007951 DP7	PB801				11E				
008069	PB801	11E	802 02	11L	11E	802 01	802 02	802 01	802 01
008079	PB120	v00	v12	v00	v00	v00	v00	v00	v00
008278	PB120	v00	v12	v00	v00	v00	v00	v00	v00
008287	ID120	v00		v00	v00	v00		v00	v00
008310	ID120	v00		v00	v00	v00		v00	v00
008313	PB802	02	120 v12	02	02	02	02	02	02
008344	PB802	01	120 v12	02	01	01	02	01	02
008475	PB802	02	120 v12	02	02	02	02	02	02
008484	PB120	v00	v12	v00	v00	v00	v00	v00	v00
008582	ID802	02		02	120 v00	120 v00		02	02
008766	PB802	02	120 v12	02	02	02	02	02	02
008823 U11	PB802						02		
008907 COS	ID120	v00							
008999	PB120	v00	v12	v00	v00	v00	v00	v00	v00

Change number	Tech Rel.	COS	DOS	IMS	DP7	DP8	U11	OS2	UIX
009081	PB802	02E	120 v12	02M	02E	02L	02F	02E	02E
009087 UIX	PB ID								120 v00
009088 U11	PB802						02		
009118	PB120	v00	v12	v00	v00	v00	v00	v00	v00
009120	PB802	02B	120 v12	02B	02D	02L	02D	02B	02D
009235	PB802	02F	120 v12	02M		02L	02F	02G	02G
009245 LAN	PB802							02	02
009319	PB120	v00	v12	v00	v00	v00	v00	v00	v00
009336	PB802	02D	120 v12	02D	02D	02L	02D	02D	02D
009341	PB120	v00	v12	v00	v00	v00	v00	v00	v00
009412	PB802	02D	120 v12	02D	02D	02L	02D	02D	02D
009493	PB120	v00	v12	v00	v00	v00	v00	v00	v00
009496	ID150	v00		v00	v00	9702		9702	9702
009642 COS	PB150	v00							
009731	PB802	02F	120 v12	02M	120 v00	120 v00	02F	02G	02G
009741	PB802	02F	120 v12	02M	02E	02L	02F	02G	02G
009788	PB120	v00	v12	v00	v00	v00	v00	v00	v00
009808	PB802	02F	120 v12	02M	02E	02L	02F	02G	02G
009822 UIX	PB120								v00
009829	PB802	02F	120 v12	02M	02E	02L	02F	02G	02G
009863	PB160	v00	9701	v00	v00	v01	9701	v00	v00
009865	PB802	02G	120 v12	02M	120 v00	02I	02F	02G	02G
009921	ID120	v00		v00	v00	v00		v00	v00
010055	PB120	v00	v12	v00	v00	v00	v00	v00	v00
010079	ID150	v00		v00	v00	9702		9702	9702
010323	PB120	v03	v12	v03	v03	v04	v03	v03	v03
010657	PB120	v00	v12	v00	v00	v00	v00	v00	v00
010673	PB120	v00	v12	v00	v00	v00	v00	v00	v00
010859 COS	PB120	v03							
011005	PB120 PB802	v02 02K	v12	v00 02M	v03	v04 02L	v03	v02	v02
011222	ID150	v00		v00	v00	9702		9702	9702
011495	PB120	v03	v12	v03	v03	v04	v03	v03	v03
011508	PB120	v04	v12	v05	v04	v04	v04	v04	v04
011589	PB160	v00	9701	v00	v00	v01	9701	v00	v00
011996	PB120 PB802	v00 02P	v12	v00	v00	v00	v00	v00	v00
012087	PB160	v00	9701	v00	v00	v01	9701	v00	v00
012229 U11	PB160						9701		
012278	PB160	v00	9701	v00	v00	v00	9701	v00	v00
012315 DP7	PB160					v00			
012375	PB160	v00	9701	v00	v00	v01	9701	v00	v00
012379	PB160	v00	9701	v00	v00	v01	9701	v00	v00
012383	PB160	v00	9701	v00	v00	v01	9701	v00	v00
012688	PB160	v00	9701	v00	v00	v01	9701	v00	v00
012751	PB120	v12	v12	v12	v12	v12	9701	v12	v12
012810	PB160 PB120	v00 v13	9701	v00 v14	v00	v01 v13	9701	v00	v00
013053	PB160 PB120	v00 v13	9701	v00 v14	v00	v01 v13	9701	v00	v00
013120	PB160	v00	9701	v00	v00	v01	9701	v00	v00
013207	PB160	v00	9701	v00	v00	v01	9701	v00	v00