

Order file ASK, structure of order file for configuration

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1 History

Version	Date	Description of change
V1.1		- Creation
V2.0		- Adaptation in the sequences of the components - Extended to configuration ID
V2.1	09.11.2005	- Extended „text record“ for logical name of products
V2.2	16.05.2006	Modification and extension of „AZ“ code for packages , automatically configured components and not „order relevant“ components
V2.3	29.09.2006	Description for Sequence-order added

2 Overview

The file format transferring configurations from PC-/SystemArchitect to the order systems (ERP) has a long past. It was disclosed and is used by different systems also by customers and sales partners of Fujitsu-Siemens. In Fujitsu-Siemens, these are the SAP systems (sales and factory), the FSC Order Point (web) and FSC Siebel-Front end.

The ASK file includes one line for each product as follow:

```
<Kind of product>□<Number, quantity>□ <Material number>□<Order number.>□<AZ code>□<Marker>□<Delivery date>□ /r/n
□ = ASCII 29 = /035 = GS(Global Separator)
```

For example:

```
HW □0012□97801-4711□D:97801-4711□00□0□in 2 days□ /r/n
```

End of line will be identified by „□/r/n“

3 Structure of ASK file format

3.1 The sequences of the products within the ASK file

The products are listed in the ASK file in three logical areas:

- First: the “add on components” and options, which are not built-in from factory to another component or system.
- Second: all floor stand systems and rack systems that are not to built into a rack systems
- Third: all cabinet systems
- All Racks

The only exception is made for service products which are 'add on products' but have to be positioned directly before the appropriate base system. This is absolutely mandatory to assign the right warranty to the specific system.

For a detailed description look forward to the chapter “Sequence of components within ASK-file” .

4 Definition of Keywords

4.1 Configuration ID

PC-/ SystemArchitect generate a configuration ID. This ID is written first in the "text" record at the beginning of the file and second at the end of the file in the "toolend" record.

In the future this should serve a relation between an order and the configuration file (not used by FSC systems today).

4.2 Description of records

The file contains a **customer record** for the customer address information. This record type may be available only 1x per file. The keyword is „cust“.

```
cust □ <Adr-1> □ <Adr-2> □ <Adr-3> □ <Str> □ <Zip> □ <City> □ <Country> □ <Tel> □ <Fax> □ /r/n
```

The **configuration tool record** includes the name of the tool.

The keyword is „tool“.

```
tool □ <Configurator> □ <Version> □ <Name> □ /r/n
```

The <Configurator> includes name of executable file and the <Name> includes name of the configurator.

example....

The **database record** gives information about the related database used for the configuration.

The keyword is „data“.

```
data □ <DB-Name> □ <DB creation date/time> □ /r/n
```

The **configuration record** contains the creation date of the configuration.

The keyword is „cfgn“.

```
cfgn □ <Creation date.> □ /r/n
```

The file includes several **text records** for differently information.

The keyword is „text“.

```
text □ <free Text> □ /r/n
```

Special cases of "text":

Configuration ID: PC- / SystemArchitect generate and stored the ID in this record (42 characters)

```
text □ 75d1ce24-b0c1-437b-9ad3-8f41fc9e1fa7 □ /r/n
```

Check status: If the configuration has conflicts and the user has ignored these conflicts, a record is included with the text "user forced".

```
text □ userForced □ /r/n
```

Product name: Within the Architects, the user has the possibility to change the product name to another logical name, example "database server" or "web server", etc. This information will be also transfer via a "text" record. The "text" record contains additional keyword "CompName"

```
text □ CompName □ <logical name> □ /r/n
```

The keywords for the **line items (products)** are two types **Hardware = „HW“** or **Software = „SW“**.

```
HW □ <Number, quantity> □ <Material number> □ <Order number.> □ <AZ code> □ <Marker> □ <Delivery date> □ /r/n
```

```
SW □ <Number, quantity> □ <Material number> □ <Order number.> □ <AZ code> □ <Marker> □ <Delivery date> □ /r/n
```

The file includes also the **author information** of the configuration.

The keyword is „auth“.

```
auth □ <Name> □ <Adr-1> □ <Adr-2> □ <Department.> □ <Str> □ <Zip> □ <City> □ <Country> □ <Tel> □ <Fax> □ /r/n
```

The group „tool“ is finished always by an **tool end** record.

The keyword is „toolend“.

```
toolend □ <Configuration ID> □ /r/n
```

Within a „tool group“, one or more <n> **sub tool groups** can exist. These can contain sub tool groups themselves. Within a sub tool group, all record types (except: cust, tool, toolend) can occur.

The keyword is "subtool".

```
subtool □ <„Sub“ configurator> □ <Version> □ /r/n
```

A subtool area finishes always with **subtool end** record. The keyword is „subend“.

```
subend □ <check sum> □ /r/n
```

4.2.1 „AZ-Codes“

The following values are reserved for the „AZ-codes“ :

- | | |
|----|--|
| 00 | Order relevant (order request to FSC) |
| 01 | Not to be ordered by FSC (internal supply by sales, partner or client). Not used by PC/SystemArchitect and FSC systems. |
| 02 | Not order relevant (product available at the customer). Manually set as not order relevant within PC/SystemArchitect. |
| 03 | Not to be ordered by FSC (Third Party product, customer buys by other supplier). Not used by PC/SystemArchitect and FSC systems. |
| 04 | Not order relevant (Part of package or integral part of other order number). |

AZ-Codes 01 - 04 are not used by FSC order systems for orders, they are for documentation only.

4.2.2 Material number

This field is set for all hardware and software products <FSC SAP material number>, exception by warranties and professional services.

- The warranty products (Service packs, Top up services, warranty) are classified by “**warranty**”.
- The professional services are classified by “**p82**”

4.2.3 Order number

This field includes the FSC order number.

4.2.4 Marker

Not used by PC/SystemArchitect.

4.2.5 Delivery date

Not used by PC/SystemArchitect.

5 Special cases

5.1 Multiple orders by PC-Architect

.....description will be follow

6 Sequence of components within ASK-file

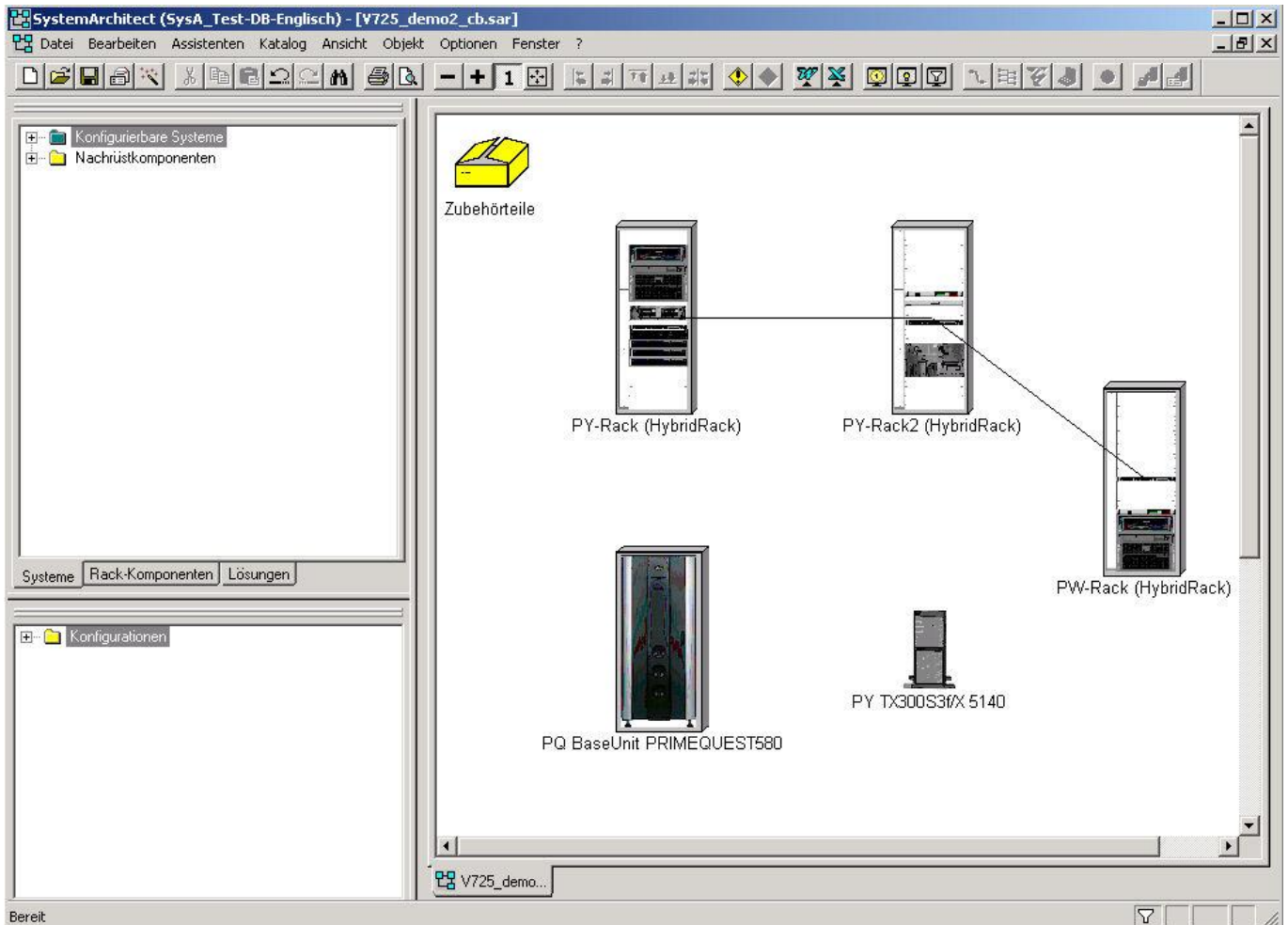
Based on the requirements of the FSC-Ordersystem and Logistic-Systems, a defined sequence for all kind of components has to be kept. This sequence is:

1. All AddOn-Components and Options as well as cables between Systems
 Criteria → GvEkFlg=2 or 5 or 6, KonfigTyp = „LL“, KonfigTyp = „EL“ and selected as an option within PC-SystemArchitect.
 All similar AddOn-Components and options are cumulated even if they are coming from different systems within the configuration.
 → Exception: Warranties. These components have to be placed as the last AddOn-Product directly before the baseunit or a configurable built-in-component.
 → Criteria : MaterialNr=“Warranty“
 2. All Floorstand-Systems and rack modules configured outside a rack, upgrade carriers (flagged as not orderrelevant), configurable built-in-components coming from upgrade carriers, packages (the orderable part)
 Criteria →
 GvEkFlg = 1 and not 'Rack' or
 rack modules not mounted within a rack or
 rack modules mounted within a rack und special flag for separation
 3. All cabinet systems
 Criteria: Flag cabinet system (GvEkFlg=3) is set
 4. All PrimePower-Racks with all built-in components (multiple hierarchy-levels are possible)
 Criteria: GvEkFlg=1 and rack and rack assembly factory = „PDB only“
 - built-in components for Racks / not configurable Rack modules incl. internal cables „real“ built-in components
 - built-in components for Racks / not configurable Rack modules incl. internal cables „logical“ built-in components
 - Rack modules – configurable
 - built-in components – not configurable – „real“ built-in components
 - built-in components – not configurable – „logical“ built-in components
 - built-in components – configurable
 - built-in components – not configurable – „real“ built-in components
 - built-in components – not configurable – „logical“ built-in components
 - ⋮
 - ⋮
 5. All Primergy-Racks with all built-in components (multiple hierarchy-levels are possible)
 Criteria: GvEkFlg=1 and rack and rack assembly factory = „ABG only“
 - built-in components for Racks / not configurable Rack modules incl. internal cables „real“ built-in components
 - built-in components for Racks / not configurable Rack modules incl. internal cables „logical“ built-in components
 - Rack modules – configurable
 - built-in components – not configurable – „real“ built-in components
 - built-in components – not configurable – „logical“ built-in components
 - built-in components – configurable
 - built-in components – not configurable – „real“ built-in components
 - built-in components – not configurable – „logical“ built-in components
 - ⋮
 - ⋮
- The Criteria to differentiate “real” built-in components and “logical” built-in components is:
- MatArt = ("KOMP" or MatArt = "FERT") and (KonfigTyp = "EK" or KonfigTyp = "EL") → " real "
 - MatArt others and (KonfigTyp = "EK" or KonfigTyp = "EL") → " logical "

7 Example of an ASK file

Configuration:

- Some 'Add-on products'
- One floor stand system
- One Cabinetsystem (PrimeQuest)
- Two PRIMERGY racks with PRIMERGY and PRIMEPOWER systems, storage systems and KVM components
- One PRIMEPOWER rack with PRIMEPOWER and PRIMERGY system
- Internal and external cabling



ASK file:

cust Customer Inc. IT Mr. Miller Downtown place Paderborn #49-5251-8-20076 +49-5251-8-20076
tool Sys_Arc 7.2.5.0 PC-Architect
data SysA_Test-DB-Englisch 10.10.2006
cfgn 20061010
text a3c369a2-1cb3-43f3-9b36-e6c2e23db517
HW 1 10600285574 D:KB258-C250-Z 00
HW 2 10600640777 S26361-F3150-L100 00
HW 3 10600361178 S26361-F2293-L10 00
HW 1 10600759746 D:00-MC-87GE11 00
HW 3 10600389835 S26361-F1647-L700 00
HW 1 P82 CPS:PR-INT-00001 00
HW 1 P82 CPS:PR-RES-21001F 00
subtool PC-Architect?
text CompName PY TX300S3f/X 5140
HW 1 10600709340 S26361-K982-V114 00
HW 1 10600708685 S26361-F3321-E233 04
HW 1 10600641736 S26361-F3313-B521 00
HW 1 10600183191 SNP:SY-F2234E1-A 00
HW 2 10600632819 S26361-F3218-E80 00
HW 1 10600318361 T26139-Y3850-E10 00
SW 1 10600689830 U11420-C807 00
SW 1 10600524766 U11420-C406 00
HW 1 P82 CPS:PR-OSY-21001FX 00
subend 27
subtool PC-Architect?
text CompName PQ PCI-Box for PQx20
HW 1 10600734710 D:OR-MC-07PB21S 00
HW 2 10600396191 D:GPRAC-ZB527 00
subtool PC-Architect?
text CompName PQ PCI-Unit (PCIU) for PQx20
HW 1 10600734713 D:OR-MC-07PU21 00
HW 1 10600669554 D:00-MC-08SC21 00
subend 71
subend 47
subtool PC-Rackbuilder?
text CompName PQ BaseUnit PRIMEQUEST580
HW 1 10600759681 D:00-MC5B0P211S 00
SW 1 10600689816 U11420-C788 00
SW 1 10600689828 U11420-C805 00
SW 1 10600689829 U11420-C806 00
subtool PC-Architect?
text CompName PQ System Board (SB) 533 MHz PQ580
HW 1 10600759721 D:00-MC-87SB11 00
HW 1 10600759729 D:00-MC-01EA11 00
HW 1 10600759737 D:00-MC-02B411 00
subend 17
subtool PC-Architect?
text CompName PQ System Board (SB) 533 MHz PQ580_1
HW 1 10600759721 D:00-MC-87SB11 00
HW 1 10600759729 D:00-MC-01EA11 00
HW 2 10600759737 D:00-MC-02B411 00
subend 18
subtool PC-Architect?
text CompName PQ I/O Unit (IOU) for PQ540/580
HW 1 10600759739 D:00-MC-87UX11 00
HW 2 10600669546 D:00-MC-03D421 00
HW 1 10600669557 D:00-MC-08GE71 00
HW 1 10600761312 D:00-MC-87BM11 00
subend 66
subend 83
subtool PC-Rackbuilder?
text CompName PW-Rack
HW 1 10600396131 D:GPRAC-BG52 00
HW 7 10600396182 D:GPRAC-ZB30 00
HW 1 10600396184 D:GPRAC-ZB32 00
HW 4 10600396185 D:GPRAC-ZB33 00
HW 2 10600574456 D:GPRAC-SV011 00
HW 1 10600396188 D:GPRAC-ZB5214 00
HW 2 10600396125 D:GPRAC-AN10 00
HW 2 10600396142 D:GPRAC-KB162 00
HW 1 10600396127 D:GPRAC-AN30 00

```
subtool PC-Architect?
text CompName Consoleswitch 04x+1analog+1digi(0411)1U
HW 1 10600649504 D:GPRAC-KS0411 00 0 0
subend 6
subtool PC-Architect?
text CompName PY RX200S2/X 3.4 2/1G
HW 1 10600639205 S26361-K942-V231 00 0 0
HW 1 10600608147 S26361-F3099-E440 04 0 0
HW 1 10600405261 S26361-F3072-E521 04 0 0
HW 2 10600458521 S26361-F3121-E573 00 0 0
HW 1 10600220680 S26361-F1647-E302 00 0 0
HW 1 P82 CPS:PR-OSY-21001F 00 0 0
subend 1
subtool PC-Architect?
text CompName PW 650(E), Sol8, 2x1.89GHz CPU, no MEM
HW 1 10600609642 D:GP650-GM50E8 00 0 0
HW 2 10600450252 D:GP650-ZE84 04 0 0
HW 1 10600450253 D:GP70M-SP64 00 0 0
HW 1 10600579261 D:GP70F-CC14 00 0 0
HW 1 10600689797 D:GP71F-FP90 00 0 0
HW 1 10600450251 D:GP650-SV24 04 0 0
HW 1 10600450251 D:GP650-SV24 00 0 0
HW 1 10600396193 D:GPRAC-ZB561 04 0 0
SW 1 10600488736 U24529-C508 00 0 0
SW 1 10600518252 U24529-C420 00 0 0
SW 1 10600396515 U24529-C422 04 0 0
subtool PC-Architect?
text CompName Ext PCI box 12 slot f. PW 650/850 f.PCR2
HW 1 10600396000 D:GP70M-BG61 00 0 0
subend 2
subend 93
subend 118
subtool PC-Rackbuilder?
text CompName PY-Rack2
HW 1 10600335259 S26361-K826-V103 00 0 0
HW 2 10600204721 SNP:SY-F1609E1-P 00 0 0
HW 4 10600204723 SNP:SY-F1609E2-P 00 0 0
HW 3 10600204725 SNP:SY-F1609E3-P 00 0 0
HW 3 10600204727 SNP:SY-F1609E5-P 00 0 0
HW 1 10600395505 S26361-F2293-E801 00 0 0
HW 1 10600431747 S26361-F2262-E31 00 0 0
HW 1 10600338446 S26361-F2293-E201 00 0 0
HW 1 10600338458 S26361-F2293-E202 00 0 0
HW 2 10600361179 S26361-F2293-E501 00 0 0
subtool PC-Architect?
text CompName RC23 17" TFT German \ US English
HW 1 10600578520 S26361-K1023-V100 00 0 0
subend 65
subtool PC-Architect?
text CompName PY RX200S3/X 5110
HW 1 10600748174 S26361-K995-V211 00 0 0
HW 1 10600708258 S26361-F3323-E160 04 0 0
HW 1 10600641739 S26361-F3313-B524 00 0 0
HW 1 10600686156 S26361-F3317-E100 00 0 0
HW 1 10600686154 S26361-F3173-E103 00 0 0
HW 1 10600220680 S26361-F1647-E302 00 0 0
subend 119
subtool PC-Architect?
text CompName PW450(E),S9,1x 1.65GHz, no MEM,no Disk
HW 1 10600730578 D:GP450-GR51E9 00 0 0
HW 1 10600666907 D:GP70P-ZE14 04 0 0
HW 1 10600409422 D:GP70P-SP03 00 0 0
HW 1 10600579261 D:GP70F-CC14 00 0 0
HW 1 10600580187 D:GP70P-MC57 00 0 0
HW 1 10600689796 D:GP70P-FP91 00 0 0
HW 2 10600396016 D:GP70P-SV02 04 0 0
HW 1 10600396187 D:GPRAC-ZB5212 04 0 0
HW 2 10600396191 D:GPRAC-ZB527 04 0 0
SW 1 10600488757 U24529-C509 00 0 0
SW 1 10600536998 U24529-C407 00 0 0
SW 1 10600396514 U24529-C421 04 0 0
subend 24
subend 54
```

```
subtool PC-Rackbuilder?
text CompName PY-Rack
HW 1 10600746764 S26361-K826-V213 00 0 0
HW 3 10600204721 SNP:SY-F1609E1-P 00 0 0
HW 3 10600204723 SNP:SY-F1609E2-P 00 0 0
HW 2 10600204725 SNP:SY-F1609E3-P 00 0 0
HW 1 10600204727 SNP:SY-F1609E5-P 00 0 0
HW 1 10600431747 S26361-F2262-E31 00 0 0
HW 2 10600579986 S26361-F2262-E45 00 0 0
HW 1 10600338446 S26361-F2293-E201 00 0 0
HW 1 10600396127 D:GPRAC-AN30 00 0 0
subtool PC-Architect?
text CompName Base Unit FibreCAT SX60
HW 1 10600662708 D:FCSX60-BASE 00 0 0
HW 2 10600662726 D:FCSX-SATA250 00 0 0
HW 1 10600662712 D:FCSX-RD60 04 0 0
HW 1 10600662732 D:FCSX-ANWIN 00 0 0
HW 1 10600662730 D:FCSX-ANPS 00 0 0
subend 76
subtool PC-Architect?
text CompName Expansion Shelf FibreCAT SX60
HW 1 10600662709 D:FCSX60-EXPN 00 0 0
HW 2 10600662726 D:FCSX-SATA250 00 0 0
HW 1 10600662716 D:FCSX-IO 04 0 0
HW 1 10600662718 D:FCSX-IO-CAB 04 0 0
subend 9
subtool PC-Architect?
text CompName Base Unit FibreCAT SX80
HW 1 10600662710 D:FCSX80-BASE 00 0 0
HW 2 10600662722 D:FCSX-SAS146 00 0 0
HW 1 10600662714 D:FCSX-RD80 04 0 0
HW 1 10600662732 D:FCSX-ANWIN 00 0 0
HW 1 10600662730 D:FCSX-ANPS 00 0 0
subtool PC-Architect?
text CompName Expansion Shelf FibreCAT SX80
HW 1 10600662711 D:FCSX80-EXPN 00 0 0
HW 2 10600662722 D:FCSX-SAS146 00 0 0
HW 1 10600662716 D:FCSX-IO 04 0 0
HW 1 10600662718 D:FCSX-IO-CAB 04 0 0
subend 69
subend 122
subtool PC-Architect?
text CompName PY RX200S3/X 5110
HW 1 10600748174 S26361-K995-V211 00 0 0
HW 1 10600708258 S26361-F3323-E160 04 0 0
HW 1 10600641739 S26361-F3313-B524 00 0 0
HW 1 10600686156 S26361-F3317-E100 00 0 0
HW 1 10600672683 S26361-F3173-E102 00 0 0
HW 1 10600670042 S26113-F509-E1 00 0 0
HW 1 10600220680 S26361-F1647-E302 00 0 0
subend 45
subtool PC-Architect?
text CompName PW 650(E), Sol9, 2x1.89GHz CPU, no MEM
HW 1 10600603751 D:GP650-GM50E9 00 0 0
HW 2 10600450252 D:GP650-ZE84 04 0 0
HW 1 10600450253 D:GP70M-SP64 00 0 0
HW 1 10600579261 D:GP70F-CC14 00 0 0
HW 1 10600689797 D:GP71F-FP90 00 0 0
HW 1 10600450251 D:GP650-SV24 04 0 0
HW 1 10600450251 D:GP650-SV24 00 0 0
HW 1 10600396193 D:GPRAC-ZB561 04 0 0
SW 1 10600488757 U24529-C509 00 0 0
SW 1 10600536998 U24529-C407 00 0 0
SW 1 10600396516 U24529-C423 04 0 0
subtool PC-Architect?
text CompName Ext PCI box 12 slot f. PW 650/850 f.PCR2
HW 1 10600396000 D:GP70M-BG61 00 0 0
subend 2
subend 88
subend 78
auth Klaus Rammig D SOL SI 31 Riemekestr. 160 Paderborn #49 5251 8-14956 +49 5251 8-11879
toolend a3c369a2-1cb3-43f3-9b36-e6c2e23db517
```

8 Further information and contacts

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