

# **System PM 100**

## **Congress Ticket Configuration**

Version 1.00

**DESIGNA**

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### Overview of versions

Type of modification	Version	Page:	Name:	Date:
Compilation of this document	0.0	all	Kielmann	13.11.98



## 1 General

Congress tickets entitle the user to enter and leave the car park several times free of charge. The number of parking procedures can be fixed definitively from one to six or left unlimited. The congress tickets can be coded for a stipulated or relative period of validity. The starting point of the validity period begins then with the first use of the congress ticket. The first use of the ticket is not subject to in/out code, i.e. it does not matter whether the ticket is used at an entrance or exit point first.

## 2 Excess payment

Excess payment is not normally necessary for congress tickets. The congress ticket does not have to be paid at the cashpoint until the validity period has expired. In this case, the normal short-term parking rate will be charged.

## 3 Information on the congress ticket

Information on the congress ticket is:

Terminal number	Number of the terminal which issued the congress ticket or changed the code. Terminal number = 0 shows that the congress ticket has been deleted. The last coded terminal number counts as in/out code, with an uneven code meaning that the congress ticket is in the car park. An even code means consequently that the congress ticket is outside the car park. Range of terminal numbers : 0 - 63.
Car park code	Number of the car park to which the congress ticket belongs. Every car park has its own car park code, so that congress tickets from other DESIGNA car parks cannot park in this car park. Range of car park numbers: 1 – 63.
Ticket type	Field for identifying the ticket type (congress ticket = 3)
Entrance/exit time	Depending on the use, the last entrance or exit time is coded here. For newly coded tickets, the start of validity is coded. The time basis, i.e. the basis for calculating the entrance or exit time on the congress ticket, is 15 minutes.
Expiry time	This time stipulates at which point in time the validity of the congress ticket expires. It can be stipulated precisely to days and hours. The maximum validity period amounts to 999 days.
Number of trips	The number of trips stipulates how often the congress parker may enter and leave the car park. This number decreases by one trip every time the parker leaves the car park. If a congress ticket with trip no. 1 is used at the exit, the ticket is then retrieved by the exit terminal. Up to 6 trips can be definitively stipulated. When the number of trips is 0 or 7, the congress ticket can be used for any number of times within the stipulated validity period.

## 4 Example congress ticket prices

```

                                Congress ticket prices
                                Date [ 3. 3.99]

                                DZ-No. [ 1]
                                Car park number [ 1]
                                TCC. [64]
                                Name [Stadthalle]
                                Car park name [Stadthalle]
                                Name [All]

Tar.no.   # Trips   days   Hrs.   Price   Val.   o.belt   print   edit
[ 1]     [1]     [ 0]   [ 1]   [ 0.00] [y]    [n]     [y]    [y]
[ 2]     [5]     [ 5]   [ 0]   [ 15.00] [n]    [n]     [y]    [n]
[ 3]     [0]     [ 30]  [ 0]   [ 50.00] [n]    [n]     [y]    [n]
[ ]     [ ]     [ ]    [ ]    [ ]     [ ]    [ ]     [ ]    [ ]
[ ]     [ ]     [ ]    [ ]    [ ]     [ ]    [ ]     [ ]    [ ]
[ ]     [ ]     [ ]    [ ]    [ ]     [ ]    [ ]     [ ]    [ ]
[ ]     [ ]     [ ]    [ ]    [ ]     [ ]    [ ]     [ ]    [ ]
[ ]     [ ]     [ ]    [ ]    [ ]     [ ]    [ ]     [ ]    [ ]

m=more   s=search   n=next   p=previous   c=change   a=add   d=delete   e=end

                                Which option do you require?
    
```

This example has three different rates for congress tickets.

Rate no. 1 can be used to code congress tickets for a one-only exit. These congress tickets are valid for one hour. The validity applies from the point in time of coding at the hand cashpoint (create CG button) or at the coding unit. Congress tickets with this rate are not printed and are not coded from the belt.

Congress tickets can be coded with rate 2 for up to 5 trips. They are valid for 5 days, cost DM 15.00 and are valid from the point in time of first use. Congress tickets with this rate are printed and are not coded from the belt.

Rate number 3 is used to code congress tickets which allow for any number of trips. They are valid for 30 days from the first time of use, and cost DM 50.00. Congress tickets with this rate are printed and not coded from the belt.

## 5 Description of the mask for congress ticket prices

```

                                Congress ticket prices
                                Date [      ]

                                DZ-No. [  ]      Name [      ]
                                Car park number [  ]      Car park name [      ]
                                TCC. [  ]      Name [      ]

Tar.no.   # Trips   days   Hrs.   Price   Val.   o.belt   print   edit
[  ]     [  ]     [  ]   [  ]   [  ]   [  ]   [  ]     [  ]   [  ]
[  ]     [  ]     [  ]   [  ]   [  ]   [  ]   [  ]     [  ]   [  ]
[  ]     [  ]     [  ]   [  ]   [  ]   [  ]   [  ]     [  ]   [  ]
[  ]     [  ]     [  ]   [  ]   [  ]   [  ]   [  ]     [  ]   [  ]
[  ]     [  ]     [  ]   [  ]   [  ]   [  ]   [  ]     [  ]   [  ]
[  ]     [  ]     [  ]   [  ]   [  ]   [  ]   [  ]     [  ]   [  ]
[  ]     [  ]     [  ]   [  ]   [  ]   [  ]   [  ]     [  ]   [  ]
[  ]     [  ]     [  ]   [  ]   [  ]   [  ]   [  ]     [  ]   [  ]

[  ]     [  ]     [  ]   [  ]   [  ]   [  ]   [  ]     [  ]   [  ]

m=more   s=search   n=next   p=previous   c=change   a=add   d=delete   e=end

                                Which option do you require?

```

### 5.1 Description of the input fields

- DZ No.** States the number of the master, the stand-alone BFR (DZ no. = 1) or the slave (DZ no. = 4 to max. no of slaves), to be valid for these congress ticket prices . Press the a=add button for access to the DZ no. input field The cursor jumps to the rate number field. Press the BACKSPACE key (key above RETURN or ENTER), the cursor jumps from the rate no. field to the TCC number field. Press the BACKSPACE key again for the cursor to jump to the car park number field and then to the DZ no. field. (Input range 0 to 63)
- Name** Name of the data control center allocated to the DZ no. (No input possible here)
- Car park no.** Car park number for which the congress ticket prices are to be valid. Press the a=add button for access to the car park number input field. the cursor jumps to the rate number field. Use the BACKSPACE key (key above RETURN or ENTER) for the cursor to jump from the rate number field to the TCC number field. Press the BACKSPACE key again for the cursor to spring to the car park number field.
- Car park** Name of the car park allocated to the car park number. (No input possible here).
- TCC.** Number of the terminal, for which the congress ticket prices are to be valid. If the congress tickets are to be valid for all terminals, the number 64 has to be entered here. Otherwise the TCC number of the manual cashpoint has to be entered for which the congress ticket prices are to be valid. Only one congress ticket price can be activated at the manual cashpoint, so that only the first input (rate no. = 1) is downloaded at the manual cashpoint. Accordingly, other prices at the automatic cashpoints are meaningless. The

## Congress ticket configuration

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	prices for TCC 64 are offered as a choice when coding the coding unit. The input field TCC is accessed by pressing the a=add button. The cursor jumps to the rate number field. Press the BACKSPACE key (key above RETURN or ENTER) for the cursor to jump from the rate no. field to the TCC number field (input range 1 to 64)
Name	Name of the terminal to which the TCC number is allocated (No input possible here)
Rate no.	Consecutive rate number of the individual congress ticket prices. The rate numbers can only be awarded once per data control center, per car park and per TCC. The first input is downloaded at the manual cashpoint and is activated as soon as the "create CG" button is pressed. If the input fields days and hours are zero, then the validity period can be entered at the manual cashpoint itself (validity range 1 to 99)
Trips	Number of parking procedures, which are to be valid for this rate number. Up to 6 trips can be definitively stipulated. When the number is 0 or 7, the congress ticket can be used any number of times within the stipulated validity period.
Days	Validity period of the congress ticket in days. Together with the input in the hours column, this results in the total validity period. At the end of the validity period, a congress ticket has to be paid at the cashpoint. The first input is downloaded at the manual cashpoint and is activated as soon as the "create CG" button is pressed. If the input fields days and hours are zero, then the validity period can be entered at the manual cashpoint itself. Validity period is 999 days.
Hours	Validity period of the congress ticket in hours. Together with the input in the days column, this results in the total validity period. At the end of the validity period, a congress ticket has to be paid at the cashpoint. The first input is downloaded at the manual cashpoint and is activated as soon as the "create CG button" is pressed. If the input fields days and hours are zero, then the validity period can be entered at the manual cashpoint itself. The maximum validity period is 999 days.
Price	Price for the congress ticket, which has to be paid on coding. The price is then entered as income in the cashbook. The first input in the congress ticket prices mask is downloaded at the manual cashpoint.
Val	(val for valid). Stipulates whether the validity period is to be absolute (from the point in time of coding of the congress ticket) or relative (from the point in time of first use). y = absolute n = relative
print	Paper tickets can be printed with the validity period. Caution: this option may not be used for plastic cards. y= print congress ticket (paper tickets only) n = do not print congress tickets
f. belt	This stipulates whether the congress tickets are to be coded from the belt (i.e. on paper). The belt is fed by the TBG . Caution: this option may not be used for plastic cards.

y = congress tickets are coded from the belt (paper tickets only)  
n = congress tickets are individually coded from the front (plastic tickets)

edit This stipulates whether the price at the manual cashpoint can be edited. Only the first congress ticket price in the table is loaded at the manual cashpoint. For all other prices, the input in the edit column has no meaning.

### 5.2 Selection menu

m=more	Displays more rates if available.
s=search	Searches for and displays other rates stating the data control center, car park number and TCC number.
n=next	Displays the rates of the next TCC number, the next car park or the next data control center.
p=previous	Displays the rates of the previous TCC number, the previous car park or the previous data control center.
c=change	Changes the data, defined under the selected TCC number, selected car park or selected data control center
a=add	Creates a new rate number in the selected car park or selected data control center
d=delete	Deletes a rate number.
e=end	Quits the congress ticket price mask

## 6 Coding congress tickets

The corresponding congress ticket prices are entered in the main menu point **Rates** in the sub-menu point **congress ticket prices**.

If the message "no prices entered" appears after accessing the mask, first enter the number of the data control center, the car park number and the TCC number 64 after pressing button **a=add** and BACKSPACE. TCC number 64 means that these prices are then available when coding at the coding unit. If there is no TCC number 3 on other pages (p=previous or n=next), the first price is valid for creating congress tickets (create CG) by pressing the corresponding keys at the manual cashpoint. If entries already appear in the congress ticket prices mask, first check that these state the right data control center, right car park and the TCC number 64. You can scroll or create the required entries using the buttons **p=previous**, **n=next** and **a=add**. A customer does not have to be filed in the "manage customers" menu.

If prices have been defined or are known, the sub-menu point **coding congress tickets** can be accessed under the main menu point **coding**. This mask asks you to enter the necessary data. This menu point automatically activates the coding unit. It sends the coding unit on-line and the manual cashpoint off-line. Subsequently the coding unit reports back in operation and thus shows that it is ready to start coding.

Code congress tickets								Date[	]
		DZ-No.	[	]					
		Car park number	[	]		Car park name	[	]	
		Rate no.	[	]		Price	[	]	
		No. of tickets	[	]		Number coded	[	]	
		valid from	[	]		At	[	]	
		valid until	[	]		At	[	]	
Tar.no.	#	Trips	days	Hrs.	Price	Val.	f.Belt	print	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
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[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Enter DZ-no., use BACKSPACE to quit

After entering the number for the data control center and the car park number, the lower table is then filled in with the already existing prices for this data control center and this car park (made for TCC no. 64).

The number of congress tickets to be coded is entered in the field No. of tickets. The field number coded shows how many tickets have already been coded during the coding procedure. It is not possible to make any entries in this field.

Entries can be made in the input field valid from or not as the case may be, depending on the selected rate number (val. yes or no). If an input can be made in this field, it is possible to enter a date in the past or in the future. The until field is then calculated accordingly. It is not possible to make any entries in this field. After entering all necessary data, the congress ticket can be coded in the coding unit. During coding, please ensure that the magnetic strip of the congress ticket is on the underneath.

Once all tickets have been coded, the ticket can be checked by reading it at the coding unit. For this purpose, the menu point **read ticket** must be activated in the main menu point **coding**.

If the coding is finished, the coding unit should be switched back to the manual cashpoint (not applicable to separate coding units).

In the main menu **coding** there is a menu point **activate manual cashpoint**. This menu point sends the manual cashpoint on-line and the coding unit off-line . The manual cashpoint then reports back in operation.

### 7 List of key words

a=add	9
absolute	8
back in operation	10
Back in operation	11
c=change	9
can be edited	9
car park code	5
car park no.	7
car park number	7, 10
cashbook	8
code	5
coding	8, 10, 11
coding unit	10, 11
congress ticket prices	7, 10
congress tickets are individually coded from the front	9
congress tickets coded from belt	9
congress tickets from belt	9
d=delete	9
data headquarters	10
Days	8
delete a rate number	9
do not print congress tickets	8
DZ no	7
e=end	9
edit	9
entrance/exit time	5
even code	5
excess payment	5
expiry time	5
f. belt	9
hours	8
in/out code	5
income	8
m=more	9
machine number	5
magnetic strip	10
main menu point rates	10
manual cashpoint	7
master	7
maximum validity period	5, 8
messageprices entered	10
n=next	9
name	7
Name	8
no prices entered	10
No. of tickets	10
number	5
number coded	10
number of trips	5
off-line	10, 11
on-line	10, 11
p=previous.	9
parking procedures	5, 8
price	8
price for the congress ticket	8

print	8
print congress ticket	8
quit the congress ticket prices mask	9
rate no.	8
relative	8
s=search	9
short-term parking rate	5
slave	7
stand-alone BFR	7
TBG	9
TCC.	7
terminal	7
Ticket type	5
time basis	5
trips	5
Trips	8
uneven code	5
Val	8
valid from	10
validity	5, 8
validity period	5, 8