



# **KKO COMMAND FILES CMD**

*AeRJoT s.c.*

*ul. Traugutta 5, 41-706 Ruda Śląska*

*Phone / Fax: 0 32 247 21 12*

*[www.aerjot.pl](http://www.aerjot.pl)*

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# 1. Principles for CMD command files feature

In order to make possible to insert data for the KKO system from external sources i.e. external schedule software, there is **Scan Folder Feature** called too **Command Files Feature** and searching special CMD files treated as a command file. It makes possible to maintenance your conference via *leased conference* in the KKO. The kClient software scans given folder (in given folder) and if there is a file with "\*.cmd" extension, the file is opened, required syntax is analyzed and all line from the file is sent to KKO as a schedule record for executing.

Of course, command file have to be in given syntax, it have to consist given parameters etc. This documents describes proper command file syntax you can find all details about these files. After detection of CMD command file, such file is decoded, and proper commands are sent to the card automatically. They exist as a schedule records (see: *Timetable* bookmark) and they are executed according proper rules concern schedule records.

Via CMD command files it is possible to run following commands:

- **Reservation** of the conference in given date and time
- **Release** of reserved conference in given date and time
- **Password changing** for leased conference (in given time)
- **Calling/Removing a subscriber** to/from existing conference
- **Calling/Removing an announcement** to/from the conference

By changing of parameter's value in command file it is possible to run all commands in following time cases:

- **Only once** - the command is executed once, in given date and time
- **Periodically** – e.g. everyday, one per week etc
- **In given days** - of week (e.g.: Tuesdays only)
- **Days off or work** only
- In given **period of time** only (every few days/hours/minutes)

In particular, such system makes possible to provide conference according to schedule' timetable like *leased conference* for external users. Only one common directory is required (as a *interface base*) with common access both kClient software and user's external software.

After executing all commands from a file (each line is separate command) CMD file can be **erased** or **renamed**.

In kClient software there are many options in order to configure this feature according your requirements and your user profile. A user can switch-on or switch-off this function. By default, CMD feature is inactive.

Generally speaking, in CMD feature kClient software runs as follow:

- The kClient scans exchange folder <e.g. COMMAND> in given time interval. This time is a config parameter, it is possible to change it in kClient software.
- After detection a file, it is checked in syntax sense.
- If the file is unsyntax, next operation is canceled and special warning window appears on the screen.
- If the file is OK, it is encoded, reworked and proper information is sent to the KKO card. If the card rejects such information (e.g. because no free resources) proper warning window appears on the screen too.
- If you work in Schedule->Timetable window, you can see all new records sent via CMD files service. You can see it, edit it and erase the record there.
- After execution, the file will be renamed or erased (this is a option in configuration of this feature).

Thanks to such feature, KKO conference system user is able to generate proper batch files in own software and send them into the KKO card and execute them automatically as a schedule records.

The kClient software offers many configuration options in order to make CMD feature more friendly for a customer. In order to change these options, you have to go into option *Schedule*, bookmark *Command Files*. In opening window moment the software opens in background proper configuration file and next after editing it is automatically saved in configuration file (at closing window moment).

Additionally (except this document) CMD command file service is described with many details and examples in context help of kClient software (*Schedule->Command Files->Help*).

## 2. CMD file syntax

Each record in command file consists of **obligatory parameters** and **optional parameters**. Each parameter consists of **keyword**, **equal character**, **value** and **semicolon** as a end of string terminator.

There are following obligatory parameters :

- conference number **CONF=**
- frequency parameter **FREQ=**
- kind of action **EVENT=**

and following optional parameters :

- date of execution **DATE=**
- time of execution **TIME=**
- subscriber's directory number **DIR=**
- announcement number **ANN=**
- conference password **PASS=**
- additional parameter **PAR=**

Values of parameters are digits only. Obligatory parameters have to be present, ordering on the list is free. Additional parameters are useless only – they will be omitted but it is not an error.

If time parameters (DATE and TIME) are missing it seems that current date or time will be established (in command sending to card moment).

All keywords (CONF,EVENT,FREQ,DATE,TIME etc.) have to be in given format (caps).

Example proper command file : **Name1.cmd**

```
CONF=1;FREQ=2;EVENT=3;TIME=12:47;DATE=2007-12-17;<CR><LF>
```

Examples of wrong CMD files : **Name2.cmp**

```
CONF=1;FREQ=2;EWENT=3;TIME=12:47;DATA=2007-12-17;<CR><LF>  
CONF=1 FREQ=2 EVENT=3 TIME=12:47 DATA=2007-12-17 <CR><LF>
```

(wrong keyword “EWENT” in first line and wrong file extension „cmp” and lack of semicolon characters in second line)

## 3. Parameters description

### 3.1. Conference number - CONF

Number of conference 1 or 2 . This parameter have to be present and it for which conference the command concerns.

### 3.2. Frequency parameter - FREQ

This parameter defines time/frequency parameter of the command execution. Possible values are as follow :

1. **Only once.** The record is executed once only in selected day and time. Additional parameters **TIME** and **DATE** define time of executing. If these parameters are absent, current date/time will be established.
2. **Once in month** (always the same day of month) at given time. The record will be executed periodically, always in the same day of the month in determined time. Additional parameters **TIME** and **DATE** determine time of record execution. As a mater of fact only **DAY** is required, but full **DATE** parameter (YYYY-MM-DD) must be written in order to be coherent with the format.
3. **Everyday.** This is executed everyday in defined time. Additional parameter: **TIME** defines time of execution. If **TIME** parameter is absent, current time (in sending to the card moment) is established.
4. **Every n days.** This is executed every *n* days beginning from current day. Required parameter : **PAR=n** where  $n=1..31$  days. Additional parameter: **TIME** defines time of execution the record. If **TIME** parameter is absent - current time will be established.
5. **Every n hours.** This is executed every *n* hours beginning the **TIME**. Required parameter : **PAR=n** where  $n=1..72$  hours. Additional parameter: **TIME** defines time of execution the record. If **TIME** parameter is absent - current time will be established.
6. **Every n minutes.** This is executed every *n* minutes beginning the **TIME** moment. Required parameter : **PAR=n** where  $n=5..180$  minutes. Additional parameter: **TIME** defines time of execution the record .
7. **Weekdays.** This event will be repeated periodically each "black" day (Monday..Friday) except all days inserted as *Additional Days Off* (see Timetable->Add.days off).
8. **Weekends.** This event will be repeated periodically in Saturday and Sundays (and *Additional Days Off* - see Timetable->Add.days off) in given time.
9. **In Mondays.** This event will be repeated periodically each Monday in time according to **TIME** parameter. If **TIME** is absent, current time will be established.

10. **In Mondays.** This event will be repeated periodically each Tuesday in time according to **TIME** parameter. If **TIME** is absent, current time will be established.
11. **In Wednesdays.** This event will be repeated periodically each Wednesday in time according to **TIME** parameter. If **TIME** is absent, current time will be established.
12. **In Thursdays.** This event will be repeated periodically each Thursday in time according to **TIME** parameter. If **TIME** is absent, current time will be established.
13. **In Fridays.** This event will be repeated periodically each Friday in time according to **TIME** parameter. If **TIME** is absent, current time will be established.
14. **In Saturdays.** This event will be repeated periodically each Saturday in time according to **TIME** parameter. If **TIME** is absent, current time will be established.
15. **In Sundays.** This event will be repeated periodically each Sunday in time according to **TIME** parameter. If **TIME** is absent, current time will be established.

**Notice! In each command, if the DATE and /or TIME parameter is absent, current DATE/TIME will be established.**

### 3.3. Kind of action – parameter EVENT

This parameter defines what kind of action have to be executed by schedule record. Possible values are as follow:

1. **Reservation of the conference.** Parameter CONF defines which conference will work. Additionally, the password in leased conference is obligatory parameter (**parameter PASS**). You want to know, that such conference doesn't release itself (and never doesn't lose the owner automatically). Nobody may be participant of such conference but the owner (Leasing) exists and the access password is valid. So, complementary command "*Releasing the conference*" (EVENT=7) is always required. This is possible to rewrite old conference by new one. In this case depending on "*New conference disconnects old*" parameter old conference will be closed or not. It is possible to send only *Reservation* command (without disconnection) and to work all the time with given conference. In this case the conference is live as long as the KKO card will be electrically resetted. This conference has a owner type "LEASING".
2. **The group calling.** This command calls predefined group of participants into earlier reserved conference. Predefined group is stored in memory on the card, so they can be called with one command. Required additional parameter is GRP=n where n=1..9.
3. **The subscriber is calling to conference.** This command calls a subscriber as a conference party into earlier reserved conference. Number of subscriber is obligatory parameter (**DIR**) and this can be string of digits (0..9) with maximum 20 characters length.
4. **The subscriber is removed from the conference.** This command released single party (subscriber) from the conference. Directory number (**DIR**) is obligatory parameter in this case.
5. **The announcement is connected to the conference.** This command calls and inserts prerecorded voice announcement into conference. Number of the announcement is obligatory parameter (parameter **ANN=n** where n=1..15). The announcement can't be empty. In one time only one announcement can play in the conference. This feature may be useful if the announcement is recorded as a "warning text" (e.g. "Please wait for the connection") before the conference or (e.g. "Note! The conference will be disconnected for 5 minutes!") before the end of the conference. You can use this procedure too if your announcement is main "voice" subject in your conference. In such case it will be broadcasted for all participants of the conference.
6. **The announcement is removed from the conference.** This command removes the announcement from selected conference. Number of the announcement is obligatory parameter (**ANN**). Of course, the same announcement must be earlier inserted into conference (with EVENT=5).
7. **Releasing the conference.** This is complementary command with "Reservation conference command" (EVENT=1). All participants are disconnected, released and the conferences becomes free (without the owner).
8. **Password changing.** This command makes possible to change conference access password in established time without disconnection the conference. Similar effect you can reach by switching off the option "*New conference disconnects old one*" and "Conference reservation" command will be done. However it is preferred solution to switch on this option and using this command (EVENT=8) in order to change the password.



### **3.4. Date parameter - DATE**

This parameter establish a date in each command. Format of this parameter is following:

**DATE=YYYY-MM-DD;** where YYYY-year, MM-month and DD-day

If this parameter is absent, in each command it means that current date will be established. The format is shown as a patter, the fields separator is '-' character.

For example:

DATE=2007-12-08; - OK

DATE=2007-12-8; - wrong because DD-day is one-digit only

DATE=2007-18-12; - wrong, because probably month and day are swapped

### **3.5. Time parameter - TIME**

This parameter establish a time in each command. Proper format is following:

**TIME=HH:MM;** where HH-hour i MM-minute

If this parameter is absent, in each command it means that current date will be established. The format is shown as a patter, the fields separator is ':' character.

For example:

TIME=12:08; - OK

TIME=12:8; - wrong, because minute is 1-digit value

**Notice! Both parameter DATE and TIME are inserted relatively to real time clock on the KKO card. So, if this clock is deviated, it can be source of mistakes. In order to be sure compatibility of time on the KKO and real time, you have to check it periodically. There is compensation and calibration available in Settings on the KKO card. Use it if your clock on the KKO is permanently deviated !**

### **3.6. Directory number - DIR**

This parameter makes possible to insert directory number (in subscriber's commands).  
Proper format is:

**DIR=n.n;** where n.n – subscriber's number

The number length is maximum 20 digits, possible characters are 0..9 digits only.

For example:

DIR=128; - OK

DIR=12:8; - wrong, because forbidden character in number string

DIR=12 8; - wrong because forbidden space in string

### **3.7. Announcement number - ANN**

This parameter makes possible to insert announcement's number. Proper format of this parameter is following:

**ANN=a;** where a – announcement number (1..15)

In commands with EVENT=5 and EVENT=6 this parameter is obligatory. The announcement must be recorded, only one announcement may be in conference in one time.

For example:

ANN=8; - OK

ANN=18; - wrong because number of announcement is to high

ANN= 8; - wrong, because forbidden space in string

### **3.8. Conference password - PASS**

This parameter makes possible to insert conference password. Proper format of this parameter is following:

**PASS=p..p;** where p..p – password

Pay your attention please, that beginning from X.17 software version, it is possible to set own password analyzing criterion. It can be number of digits (1 to 5) or asterisk character as end of password terminator. In first case '\*' at the end of string is useless (it is a wrong) whilst in second case asterisk character is required. You can change this settings in "Settings->Conferences" bookmark. You can respect this settings because inserted password must be compatible with proper settings. In other case your command may be rejected. If you use "\*" character at the end of password string, it can't be inserted into PASS parameter. This is automatically expected.

For example:

PASS=82; - OK, if criterion=2 characters or criterion="\*"

PASS=18\*; - wrong, because "\*" is/can be expected automatically – we don't insert it here

PASS= 8; - wrong, because forbidden space in string

### **3.9. Additional parameter - PAR**

Additional parameter PAR makes possible to insert additional information in command with FREQ=4, FREQ=5 and FREQ=6. Proper format for this parameter is following:

**PAR=p;**

For FREQ=4 (every n days) p=1..31 it sets period of time in days

For FREQ=5 (every n hours) p=1..72 it sets period of time in hours

For FREQ=6 (every n minutes) p=5..180 it sets period of time in minutes

## 4. Examples

### 4.1. File: <1.cmd>

A file <1.cmd> includes reservation conference command only. It will be executed only once, for conference no 1 with password 1234 in 15 day of December 2007 at 12 a.m.

```
CONF=1;FREQ=1;EVENT=1;PASS=1234;TIME=12:00;DATE=2007-12-15;<CR><LF>
```

If you send such file after 15 December 2007, this command will be rejected – the command will be classified as an “old”.

Pay your attention too, if the criterion of password analyzing is “4 digits” or “\*”. In other cases it will be error too.

### 4.2. File: <02.cmd>

In file <02.cmd> there are 2 commands for conference no 2 with password 1234 in 15<sup>th</sup> of December 2007 at 12 a.m. and next, releasing of this conference after 2 hours (at 2 p.m.).

```
CONF=2;FREQ=1;EVENT=1;PASS=1234;TIME=12:00;DATE=2007-12-15;<CR><LF>
```

```
CONF=2;FREQ=1;EVENT=7;TIME=14:00;DATE=2007-12-15;<CR><LF>
```

This is the most simple conference example with given date and time parameters.

### 4.3. File: <AnnouncementExample.cmd>

In example file <AnnouncementExample.cmd> there are few commands for periodic conference – everyday – reservation conference no 2 with password 111 at 3:45 p.m. and disconnection after 1 hour and 45 minutes with special announcements about beginning and closing the conference.

```
CONF=1;FREQ=3;EVENT=1;PASS=111;TIME=15:45;<CR><LF>
```

```
CONF=1;FREQ=3;EVENT=5;ANN=14;TIME=15:45;<CR><LF>
```

```
CONF=1;FREQ=3;EVENT=6;ANN=14;TIME=15:50;<CR><LF>
```

```
CONF=1;FREQ=3;EVENT=5;ANN=15;TIME=17:25;<CR><LF>
```

```
CONF=1;FREQ=3;EVENT=7;TIME=17:30;<CR><LF>
```

This is more complicated example for conference with voice announcements.

- Everyday at 15:45 the conference begins with announcement “**Please Wait**”
- After 5 minutes this announcement is removed.
- At 17:25 other conference is set e.g. “**Attention! The conference will be closed**”
- At 17:30 the conference is closed finally.

It is not required, closing announcement no 15 because it will be removed by complex command “Conference disconnection”.

**Note!** An announcement no 14 „Please wait” is recorded by default. Announcement no 15 have to be recorded (maybe erased and recorded if it is used in other context) earlier. It is possible to erase, record and reconfigure all announcement system on the KKO according your requirements.

Of course, mentioned 5 lines in this example can be send separately as 5 separate files. A result will be the same.

After installation of kClient software some examples are available in default folder :

...\command\examples .