i4OUTQ - Manual

Programmer's Guide & Reference Manual

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1 Editorial/Introduction

1.1 Editorial

i4OUTQ

Programmer's Guide & Reference Manual

Edition "05/2005"
This edition applies to the licensed program *i4OUTQ* Version 04.09 and to all subsequent releases and modifications until otherwise indicated in new editions.

Please verify that you are using the latest edition for this product. Go to http://www.goering.us for the latest version

Editor:

GOERING iSeries Solutions
Keplerweg 19
76646 Bruchsal
Germany

phone: +49 (0)7251-9895-12
fax: +49 (0)7251-9895-13
e-mail: info@goering.us
web: http://www.goering.us

1.2 Introduction

Features Of The Command I4OUTQ

With I4OUTQ

- you can **process** spool files fully automatic!

- you can **automize** spool operations like e-mail transmission via *i4Spool* or **generate** Excel-Files with *iExcelGen!*

- you possess a **mightful**, but also an **easy-handle** tool, which is based on both the spool attributes (spool name, user,...) and the spool content (customer number, document type, ...)

- you **decide** on the moment and the kind of process which should be run

- you can **split** a great invoice list, with 1000 pages in several customer-related e-mails, and this is only one of nearly boundless applications for *i4OUTQ*.

2 Installation

2.1 Overview

This Chapter describes how to:

- receive *i4OUTQ* and its latest release from the internet.
- install *i4OUTQ* on your System.
- license *i4OUTQ* on your System.

2.2 Downloading from the Internet

i4OUTQ can be downloaded from the internet at: http://www.goering.us .

The file contains a compressed AS/400- resp. iSeries-Backup-File with all necessary objects for running *i4OUTQ.*

There are 3 ways to install *i4OUTQ:*

a) Using the BRAVO Reader from Symtrax.
b) Installation of the SAVF using the INSTALL AID from Bugbusters.
c) Installation of the SAVF using FTP.

We recommend option a) because the technical support by Symtrax is very professional and responsive in solving technical problems!

Information about the latest *i4OUTQ* release level can be found at http://www.goering.us .

2.3 Preparations

1. Extract the (.zip) Download-File

If you do not already have a utility to unzip archived files, we recommend the application Winzip, which can be downloaded from the internet :
http://www.winzip.com
After the extraction, you will have either (separate from the execution) the ASCII file I4OUTQ.BRV or (using the FTP variant) I4OUTQ.SAV.

2. Verify that the FTP-Service on your AS/400 i.e. iSeries is active or start it.

Use the AS/400-command: STRTCPSVR SERVER(*FTP) to start the service

3. Update

If you want to update for your existing *i4OUTQ* installation, please rename your current library I4OUTQ to I4OUTQOLD.

Use the AS/400-command: RNMOBJ OBJ(I4OUTQ) OBJTYPE(*LIB) NEWOBJ(I4OUTQOLD)

The installation program recognizes this library and adopts all the settings from it.

2.4 BRAVO Reader Version

We recommend the utility BRAVO Reader. The installation is very easy and the technical support by Symtrax is very professional for solving technical problems!

The tool BRAVO Reader can be downloaded from our website http://www.goering.us or directly from Symtrax http://www.eu.symtrax.com (free download!)

After the installation of the BRAVO Reader on your PC, you have to open the file I4OUTQ.BRV.
Please fill out the dialog boxes as you normally would.

Please proceed to chapter on Licensing.

2.5 INSTALL AID Variation

To easily transfer *i4OUTQ* to your System AS/400, we also recommend using the tool INSTALL AID from Bugbusters.

The tool can be downloaded from the internet address http://www.bugbusters.net (free download!).

After the installation on your PC, you have to open the file I4OUTQ.SAV. Please fill out the dialog boxes with normal values.

Please proceed to the chapter on Licensing.

2.6 manually transferred via FTP

1. Create the backup-file on your System AS/400 resp. iSeries

Use the name I4OUTQ and the AS/400-command: CRTSAVF FILE (QGPL / I4OUTQ) AUT(*ALL)

Open a DOS Window on your PC and change to the subdirectory which contains the ASCII file I4OUTQ.SAV (see chapter Installation-Preparations) .

2. Sign on to your System AS/400 resp. iSeries.

*Note that the name "AS400" will be used for the name of your system AS/400 resp. iSeries and the color blue for all responding messages from the FTP.

```
FTP AS400
Connected with AS400
220-QTCP at AS400.FIRMA.DE
220 Connection will close if idle more than 5 minutes.
User (AS400: (none)): USER
331 Enter Password
Password PASSWORD
```

Note that neither the password will be shown nor the cursor will move during entry.

```
230 USER logged on.
```

3. Change into the binary mode

```
FTP> binary
200 Representation type is binary IMAGE.
```

4. Change the naming format

```
FTP> quote site namefmt 1
250 Now using naming format "1".
```

5. Change to the library QGPL of your System AS/400 resp. iSeries

```
FTP> cd_/qsys.lib/qgpl.lib
250 "QSYS.LIB/QGPL.LIB is current library.
```

6. Start the transfer from PC to the AS/400 resp. iSeries

```
FTP> put I4OUTQ.SAV I4OUTQ.SAVF (replace)
200 PORT subcommand request successful.
150 Sending file to member I4OUTQ.SAV in file
I4OUTQ.SAVF in library QGPL.
```
Note that the transfer time will take a few minutes.
```
250 File transfer completed successfully.
FTP 123456789 Bytes sended in 98.76 seconds 54.321
KB/Sec.
```

7. Terminate the FTP-Session on the System AS/400 resp. iSeries.

```
FTP> quit
221 QUIT subcommand received.
```

8. Close the DOS command entry window.

The transfer to your System AS/400 i.e. iSeries is complete.

9. Create the *i4OUTQ*-Objects on the System AS/400 resp. iSeries

Using the AS/400-command: RSTLIB SAVLIB (I4OUTQ) DEV (*SAVF) SAVF (QGPL/I4OUTQ)

Please proceed to the chapter Licensing.

2.7 Licensing

1. Add the library to your Library Searchlist in your Session

Use the AS/400-command: ADDLIBLE I4OUTQ

Installation of *i4OUTQ* is now complete and, after entering the license-key, ready for execution.

2. Call the licensing for *i4OUTQ*

Use the command: CALL i4OUTQCODE

3. Note the system specifications of your AS/400.

The *i4OUTQ* licensing display will indicate the

a) Serial-Number
b) Model-Number
c) Processor-Number

of your AS/400 i.e. iSeries. Please send these system information via e-mail to: info@goering.de.
You will receive your *i4OUTQ* license key within 24 hours via e-mail.
The quickest solution for license code (to receive a license in 30 minutes!) is to enter your system specifications at the download web page at http://www.goering.de .
If you fail to enter the system specifications when downloading, you can revisit the page, enter the system information and select the button "Code Only".

4. Enter your *i4OUTQ* license key

Use the command : CALL i4OUTQCODE

Enter the license key and press the **Enter Key**. *i4OUTQ* is now ready to run.
Please note that the program tolerates only three repeated attempts of false license keys entries per day. Further attempts will cause a deactivation of the *i4OUTQ* licensing for the rest of each day.

3 Work with I4OUTQ

3.1 Manually Preparatory Work

i4OUTQ works with an option file like our products *i4Spool* and *iExcelGen*, which contain User-Defined Options similar to that from PDM, but with a pertaining to spool files.

Even though you can theoretic work with the same option file as *i4Spool* resp. *iExcelGen*, we recommend the creation of a separate file.

Example:

- Please copy the file I4SPOOL/AGSPLFOPT to QGPL/I4OUTQOPT by means of the command CRTDUPOBJ.
- The file AGSPLF6D have also to contained an entry *I4OUTQ, which refer to this option file.
- Please convert the file with the command UPDDTA AGSPLF6D or another tool of your own choice.

```
 MIT DATEN IN EINER DATEI ARBEITEN              Modus  . . . :   ÄNDERN
Format . . . . :   AGSPLF6DR                   Datei  . . . :   AGSPLF6D

User:            *I4OUTQ               Send default mail: N
Mail sender:

Mail receipient:

Mail CC:
                                       i4Client:          N
Replace object:  N                     Run batch:         N
Job description: *USRPRF               Job library:
Session dft:     N                     Option library:    QGPL
Option file:     I4OUTQOPT             Option member:     *FIRST
Session library:                       Session file:
Session member:                        Session name:
Session number:                        Authority Key:



F3=Verlassen            F5=Aktualisieren        F6=Format auswählen
F9=Einfügen            F10=Eingabe             F11=Ändern
```

3.2 Main Menu

The program *i4OUTQ* will be started with the following command : GO AUTOMIZE

```
AUTOMIZE                          OUTQ Automizer

Select one of the following:

     1. Work with Filtering Rules
     2. Work with Split Rules

     4. Submit OUTQ Automizer Program

     6. Terminate OUTQ Automizer Program
     7. Clear Data Queue Entries

    10. Work with User Options

    14. Change Output Queue (CHGOUTQ)
    15. Work with Environment Var (WRKENVVAR)

    90. Sign Off

Selection or command
===>
```

3.3 The Functioning of i4OUTQ

The keep under surveillance OUTQ will be assigned to the DTAQ I4OUTQ in I4OUTQ, either with the **option 14** of the main menu or manually by means of the command CHGOUTQ.

As soon as a new spool file is preset in the OUTQ and received the status 'RDY', an entry is written in the DTAQ .

The control program of I4OUTQ will be started with the **option 14** of the main menu or to run permanent with the integration of the following command:

SBMJOB CMD(CALL PGM(IOQ102CL)) JOB(AUTOMIZER) JOBQ(QSYSNOMAX)

The control program execute the DTAQ-entries at once. Thereby it will be checked firstly, if there is a suitable filter for the spool entry. If the filter is existing, the split rules will be executed, the attributes will be ascertained and possibly available user-exits will be called. After this, the dedicated program option will be started with the transfer of the variables.

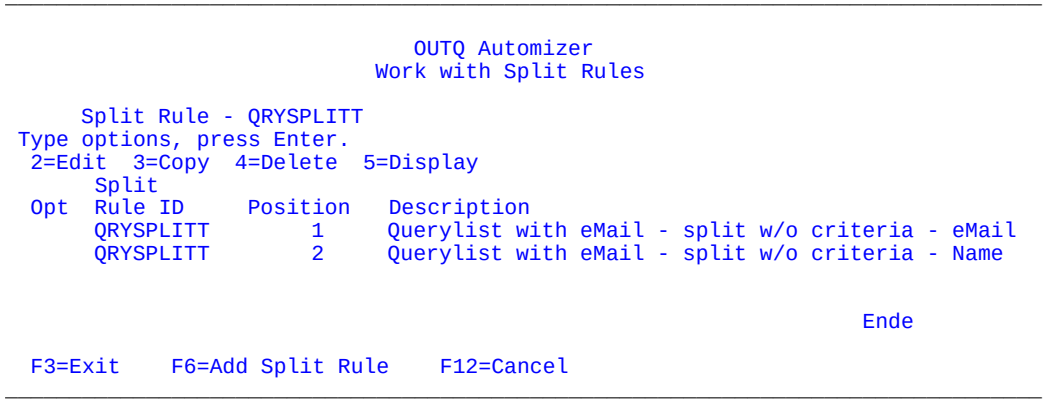
3.4 Filter Rules

A Filter is effective on the level of the spool attributes and make the selection possible due to different properties.
If the spool correspond to a filter, the Optional Split Rule will be applied and then the action will be run.
With the split rule data can be extracted from the spool (e.g. invoice number, customer number) and then the data can be used as variable in the command (see below).

```
                              OUTQ Automizer
                           Modify Filtering Rule

  Filtering Rule ID . . .:  SPOOLPDF
  Rule Description. . . .:  PDF Test
  Active? . . . . . . . .:  Y           values (Y, N)
  Priority. . . . . . . .:  00005
  OutQ. . . . . . . . . .:
  File. . . . . . . . . .:
  User. . . . . . . . . .:
  User Data . . . . . . .:
  Pages From. . . . . . .:  00000
  Pages To. . . . . . . .:
  Type. . . . . . . . . .:              Values (*SCS, *IPDS, *AFPDS)
  Job Name. . . . . . . .:
  Split Rule ID . . . . .:  QRYSPLITT  Querylist with eMail - split w/o criteri
  Action. . . . . . . . .:  SP I4SPOOL SPOOLFILE(&F) JOB(&B/&U/&J) SPLNBR(&N)
SPOOLTYPE(&T)TOSTMF('/home/pdf/&1&2&K.pdf') EMAILTO('&1') OVRWRT(*YES) SCSPLUS(*N
O) INTERNAL(*YES) PAGES(&P)

  Send File Extract . . .:  Y           Values (Y, N)

  F3=Exit     F4=Prompt     F11=Work with Split Rule     F12=Cancel
```

3.5 Split Rules

Split Rules will be executed successive by means of the position number.



3.6 Split Rules - To Ascertain The Split Criteria

In the following example the following 32 characters from the spool (line 11, position 33) will be assigned to the variable &1.

Furthermore this setting is used as split criteria, that means the spool will be splitted as soon as there are different values found on successive pages.

This function is presently only usable cohesive with *i4Spool*.

The command I4SPOOL have also to contained the following parameters: INTERNAL(*YES) PAGES(&P)

```
IOQ10101                        OUTQ Automizer
 Change                           Split Rule

  Split Rule ID . . . . .:  QRYSPLITT
  Split Rule Name . . . .:  Querylist with eMail - split w/o criteria
  Position . . . . . . . :     1
  Position Name . . . . .:  eMail Adress
  Type. . . . . . . . . .:  S  (S=Split Criteria, A=Attribute, X=Exit only)
Criteria
  Page From .:      0   To . :    0    Line From .:   0   To .:   0
  Pos From. .:      0   To . :    0
  String. . .:
                                                      Exact Len :    0
Data
  Line. . . .:   11     Type :  A (A=Absolute or R=Relative to Criteria found)
  Pos . . . .:   33     Type :  A (A=Absolute or R=Relative to Criteria found)
  Relative  .:  B (B=Begin, E=End)                    Length . .:   32
User Exit
  Pgm Name  .:             Library :             Type .:      ID:
  Result 1. .:  &1        Result 2. :          Result 3. :
  Result 4. .:            Result 5. :

  F3=Exit     F12=Cancel
```

3.7 Split Rules - To Ascertain The Attribut

In the following example the following 32 characters from the spool (line 11, position 1) will be assigned to the variable &2.
It is about simply an additive attribute, i.e. the value effected no splitting.

```
 IOQ10101                        OUTQ Automizer
Change                            Split Rule

 Split Rule ID . . . . .:  QRYSPLITT
 Split Rule Name . . . .:  Querylist with eMail - split w/o criteria
 Position . . . . . . . :     2
 Position Name . . . . .:  Name
 Type. . . . . . . . . .:  A  (S=Split Criteria, A=Attribute, X=Exit only)
Criteria
 Page From .:      0   To . :      0    Line From .:   0   To .:   0
 Pos From. .:    0     To . :    0
 String. . .:
                                                     Exact Len :    0
Data
 Line. . . .:   11     Type :  A (A=Absolute or R=Relative to Criteria found)
 Pos . . . .:    1     Type :  A (A=Absolute or R=Relative to Criteria found)
 Relative  .:  B (B=Begin, E=End)                    Length . .:   32
User Exit
 Pgm Name  .:             Library :             Type .:      ID:
 Result 1. .:  &2        Result 2. :          Result 3. :
 Result 4. .:            Result 5. :

 F3=Exit     F12=Cancel
```

3.8 Example - Command I4SPOOL

Please note: The usage of &1 and &2, as well as the designation Internal und Pages, which are
cohesive with the split.

```
AGSPLF F162           Change User-Defined Option

 Type changes, press Enter.

   Option  . . . . . .   SP   Value to change to

   Command . . . . . .   I4SPOOL SPOOLFILE(&F) JOB(&B/&U/&J) SPLNBR(&N)
SPOOLTYPE(&T)TOSTMF('/home/pdf/&1&2&K.pdf') EMAILTO('&1') OVRWRT(*YES) SCSPLUS(*N
O) INTERNAL(*YES) PAGES(&P)


 F3=Exit       F4=Prompt       F12=Cancel
```

3.9 Controlling Feature

The Testfunction of i4OUTQ

I4Q1SPOOL
- Execution of a simulation for an individual spool.
- Thereby a logging of the steps is carried out.
- Level can be selected.
- We recommend *FULL for having all informations.

I4QDSPLOG
- Display the protocols for an individual spool.
- Level can be selected.
- We recommend *ALL for having all available informations.

Installation of the testfunctions from i4OUTQ inside of AGSPLF

For simply handling:
Enter: AGSPLF
F16
F6

Please define the option "Q1":

```
AGSPLF F162           Change User-Defined Option

Type changes, press Enter.

  Option  . . . . . .   Q1   Value to change to

  Command . . . . . .   ? I4Q1SPOOL SPOOLFILE(&F) JOB(&B/&U/&J) SPLNBR(&N
) LOG(*FULL)

F3=Exit       F4=Prompt       F12=Cancel
```

Press: ENTER
F6

Please define the option "QA" :

```
AGSPLF F162           Change User-Defined Option

Type changes, press Enter.

  Option  . . . . . .   QA   Value to change to

  Command . . . . . .   ? I4QDSPLOG SPOOLFILE(&F) JOB(&B/&U/&J) SPLNBR(&N
)

F3=Exit       F4=Prompt       F12=Cancel
```

Now you can simply proove the mode of action of I4OUTQ for every spool entry, by executing at first "Q1" and afterwards "QA".

4 Examples for E-Mail and Fax Transmission

4.1 Fax Number With Variable Position

The fax number is identified with a certain expression.

I.e. a purchase order contains the fax number, printed at any position between the 7th and the 20th line.
But the text "Fax-Nr. d.Lief.:" precede the faxnumber.

For a better overview we split the example in 3 chapter:

- Creation Of The Split Rule
- Depositation Of The Fax Command
- Creation Of The Filter Rule

4.1.1 Creation Of The Split Rule

Annotation to the Section "Data":

Here will be defined that RELATIVE to the criteria "Fax# supplier", the content from same line (relative "0") "2" positions after the founding place (RELATIVE to the END) with a lenght of 20 chars is to be extracted and provided by the Variable Variable "&1".
The criterium is only to be search in lines 7 to 20.

```
IOQ10101                        OUTQ Automizer
 Change                           Split Rule

  Split Rule ID . . . . .:  SIMPLE
  Split Rule Name . . . .:  Einfaches Beispiel / Zeile nicht exakt festlegbar
  Position . . . . . . . :     1
  Position Name . . . . .:
  Type. . . . . . . . . .:  A  (S=Split Criteria, A=Attribute, X=Exit only)
Criteria
  Page From .:      1   To . :  99999    Line From .:   7   To .:  20
  Pos From. .:    1     To . :    1
  String. . .:  Fax-Nr.d.Lief.:
                                                      Exact Len :   15
Data
  Line. . . .:    0     Type :  R (A=Absolute or R=Relative to Criteria found)
  Pos . . . .:    2     Type :  R (A=Absolute or R=Relative to Criteria found)
  Relative  .:  E (B=Begin, E=End)                    Length . .:   20
User Exit
  Pgm Name  .:             Library :             Type .:      ID:
  Result 1. .:  &1        Result 2. :          Result 3. :
  Result 4. .:            Result 5. :

  F3=Exit     F12=Cancel
```

4.1.2 Deposition Of The Fax Command

The fax command is stored in the Options file in the following way:

```
 AGSPLF F162           Change User-Defined Option

 Type changes, press Enter.

   Option  . . . . . .   FX   Value to change to

   Command . . . . . .   I4SPOOL SPOOLFILE(&F) JOB(&B/&U/&J) SPLNBR(&N) SP
OOLTYPE(&T) TOSTMF('/FAXTEST&B&N.PDF') EMAILTO(&1) EMAILFROM('egal@account.de')
MAILTITLE('Title will be overridden') FAX(*YES) OVRWRT(*YES)


 F3=Exit       F4=Prompt       F12=Cancel
```

4.1.3 Creation Of The Filter Rule

In our example the filter rule looks like this:

```
  IOQ10CHG                      OUTQ Automizer
                              Modify Filtering Rule

  Filtering Rule ID . . .:  FAX                                 Active: Y Y/N
  Rule Description. . . .:  Fax Sample

  Priority. . . . . . . .:  00006
  OutQ. . . . . . . . . .:  FAXOUT
  File. . . . . . . . . .:
  User. . . . . . . . . .:
  User Data . . . . . . .:
  Pages From. . . . . . .:  00000      to:

  Type. . . . . . . . . .:             *SCS, *IPDS, *AFPDS
  Job Name. . . . . . . .:
  Split Rule ID . . . . .:  SIMPLE     Einfaches Beispiel / Zeile nicht exakt f
  Action. . . . . . . . .:  FX I4SPOOL SPOOLFILE(&F) JOB(&B/&U/&J) SPLNBR(&N) SP
OOLTYPE(&T) TOSTMF('/FAXTEST&B&N.PDF') EMAILTO(&1) EMAILFROM('egal@account.de')
MAILTITLE('Title will be overridden') FAX(*YES) OVRWRT(*YES)

  Send File Extract . . .:  N Y/N

  F3=Exit     F4=Prompt     F11=Work with Split Rule     F12=Cancel
```

4.2 Example Szenario - BRAIN AS

We present you now a complete solutions, which is used in real time operation by a customers of ours: Order forms will be set with BRAIN AS in an OUTQ "EMAILOUT", as well as the E-Mail Transmission resp. in the OUTQ "FAXOUT", if the Fax Transmission will be desired.

4.2.1 E-Mail Transmission

4.2.1.1 E-Mail Transmission - Filter Rule

The following filter rule does apply for the e-mail transmission:

- For the e-mail transmission *i4Spool* will be called
- The variable addressee (&1) will be ascertained from the User-Exit
- The variable sender (&2) will also be ascertained from the spool content.
- The e-mail title (subject) contains also the order number (&3)

```
                              OUTQ Automizer
                           Modify Filtering Rule

  Filtering Rule ID . . .:  EMAILOUT
  Rule Description. . . .:  für den Email Ausgang
  Active? . . . . . . . .:  Y           values (Y, N)
  Priority. . . . . . . .:  00010
  OutQ. . . . . . . . . .:  EMAILOUT
  File. . . . . . . . . .:
  User. . . . . . . . . .:
  User Data . . . . . . .:
  Pages From. . . . . . .:  00000
  Pages To. . . . . . . .:
  Type. . . . . . . . . .:              Values (*SCS, *IPDS, *AFPDS)
  Job Name. . . . . . . .:
  Split Rule ID . . . . .:  LIEF_EMAIL Ermittlung der Email Adresse über Lief-N
  Action. . . . . . . . .:  EM I4SPOOL SPOOLFILE(&F) JOB(&B/&U/&J) SPLNBR(&N) SP
OOLTYPE(&T) TOSTMF('/MAIL&B&N.PDF') STYLE(CSTFAX) EMAILTO('&1') EMAILFROM('&2')
EMAILCOPY('hh@goering.de') MAILTITLE('Bestellung Nr. &3') MESSAGE(*NONE)
 PAGORTN(*PORT80) FONTSIZE(10)
  Send File Extract . . .:  N           Values (Y, N)

  F3=Exit     F4=Prompt     F11=Work with Split Rule     F12=Cancel
```

In the following chapters we will explain the Split Rule with 5 subrules

4.2.1.2 E-Mail Transmission - Split Rule With 5 Subrules

The realization run by means of a split rule with totaling 5 subrules:

- First Subrule - Identification of the e-mail address by the delivery number - german
- Second Subrule - Identification of the e-mail address by the delivery number - english
- Third Subrule - Identification of the e-mail address - sender
- Fourth Subrule - Identification of the order number - german
- Fifth Subrule - Identification of the order number - english

```
                              OUTQ Automizer
                          Work with Split Rules

     Split Rule - LIEF_EMAIL
Type options, press Enter.
 2=Edit  3=Copy  4=Delete  5=Display
      Split
 Opt  Rule ID     Position   Description
      LIEF_EMAIL      10     Ermittlung der Email Adresse über Lief-Nr. - Deuts
      LIEF_EMAIL      20     Ermittlung der Email Adresse über Lief-Nr. - Engli
      LIEF_EMAIL      30     Ermittlung der Email Adresse über Lief-Nr. - Absen
      LIEF_EMAIL      40     Ermittlung der Email Adresse über Lief-Nr. - BENR
      LIEF_EMAIL      50     Ermittlung der Email Adresse über Lief-Nr. - BENR-

 F3=Exit    F6=Add Split Rule    F12=Cancel
```

4.2.1.3 First Subrule

- Split criteria: (Criteria): At the position 60-68 (Pos From ... To), line 18 (Line from), the word "Lieferant" (String) will be searched.

- Notes on Data: If the word will be found, the program CCMPPGM/IOQEMAIL will be started and the content at the position 86 (Pos) with the length of 7 characters (Length) will be given over in the same row.

- Notes on User-Exit: With the 1. return-variable the variable &1 will be filled.

- Source IOQEMAIL

```
IOQ10101                        OUTQ Automizer
Change                           Split Rule

 Split Rule ID . . . . .:  LIEF_EMAIL
 Split Rule Name . . . .:  Ermittlung der Email Adresse über Lief-Nr.
 Position . . . . . . . :    10
 Position Name . . . . .:  Deutsch
 Type. . . . . . . . . .:  A  (S=Split Criteria, A=Attribute, X=Exit only)
Criteria
 Page From .:      1   To . :  99999    Line From .:  18   To .:  18
 Pos From. .:   60     To . :   68
 String. . .:  Lieferant
                                                    Exact Len :    9
Data
 Line. . . .:    0     Type :  R (A=Absolute or R=Relative to Criteria found)
 Pos . . . .:   86     Type :  A (A=Absolute or R=Relative to Criteria found)
 Relative  .:  B (B=Begin, E=End)                   Length . .:    7
User Exit
 Pgm Name  .:  IOQEMAIL   Library : CCMPPGM      Type .:      ID:
 Result 1. .:  &1       Result 2. :          Result 3. :
 Result 4. .:           Result 5. :

 F3=Exit     F12=Cancel
```

4.2.1.4 Second Subrule

The 2.subrule accords the 1.subrule with the difference, that it will be searched with the english term:

- Split criteria (Criteria): At the position 60-72 (Pos From ... To), line 18 (Line from) the word "Your supplier" (String) will be searched.

```
 IOQ10101                        OUTQ Automizer
Change                            Split Rule

 Split Rule ID . . . . .:  LIEF_EMAIL
 Split Rule Name . . . .:  Ermittlung der Email Adresse über Lief-Nr.
 Position . . . . . . . :    20
 Position Name . . . . .:  Englisch
 Type. . . . . . . . . .:  A  (S=Split Criteria, A=Attribute, X=Exit only)
Criteria
 Page From .:      1   To . :  99999    Line From .:  18   To .:  18
 Pos From. .:   60     To . :   72
 String. . .:  Your supplier
                                                      Exact Len :    9
Data
 Line. . . .:    0     Type :  R (A=Absolute or R=Relative to Criteria found)
 Pos . . . .:   86     Type :  A (A=Absolute or R=Relative to Criteria found)
 Relative  .:  B (B=Begin, E=End)                     Length . .:    7
User Exit
 Pgm Name  .:  IOQEMAIL   Library : CCMPPGM      Type .:      ID:
 Result 1. .:  &1       Result 2. :          Result 3. :
 Result 4. .:           Result 5. :

 F3=Exit     F12=Cancel
```

4.2.1.5 Third Subrule

The e-mail address of the employee, which should be used as the sender, is located in the spool and so it will be taken out from there.

- Split criteria (Criteria): At the position 60-65 (Pos From ... To), line 21 (Line from) the word "e-mail" (String) will be searched.

```
IOQ10101                        OUTQ Automizer
Change                           Split Rule

 Split Rule ID . . . . .:  LIEF_EMAIL
 Split Rule Name . . . .:  Ermittlung der Email Adresse über Lief-Nr.
 Position . . . . . . . :    30
 Position Name . . . . .:  Absender
 Type. . . . . . . . . .:  A  (S=Split Criteria, A=Attribute, X=Exit only)
Criteria
 Page From .:      1   To . :  99999    Line From .:  21   To .:  21
 Pos From. .:   60     To . :   65
 String. . .:  e-mail
                                                    Exact Len :    6
Data
 Line. . . .:    0     Type :  R (A=Absolute or R=Relative to Criteria found)
 Pos . . . .:   67     Type :  A (A=Absolute or R=Relative to Criteria found)
 Relative  .:  B (B=Begin, E=End)                   Length . .:   31
User Exit
 Pgm Name  .:             Library :             Type .:      ID:
 Result 1. .:  &2        Result 2. :          Result 3. :
 Result 4. .:            Result 5. :

 F3=Exit     F12=Cancel
```

4.2.1.6 Fourth Subrule

The order number - german will be ascertained:

- Split criteria (Criteria): At the position 60-72 (Pos From ... To), line 15, the word "Bestellnummer" (String) will be searched.

```
 IOQ10101                        OUTQ Automizer
Change                            Split Rule

 Split Rule ID . . . . .:  LIEF_EMAIL
 Split Rule Name . . . .:  Ermittlung der Email Adresse über Lief-Nr.
 Position . . . . . . . :    40
 Position Name . . . . .:  BENR
 Type. . . . . . . . . .:  A  (S=Split Criteria, A=Attribute, X=Exit only)
Criteria
 Page From .:      1   To . :  99999    Line From .:  15   To .:  15
 Pos From. .:   60     To . :   72
 String. . .:  Bestellnummer
                                                     Exact Len :   13
Data
 Line. . . .:    0     Type :  R (A=Absolute or R=Relative to Criteria found)
 Pos . . . .:   88     Type :  A (A=Absolute or R=Relative to Criteria found)
 Relative  .:  B (B=Begin, E=End)                    Length . .:    5
User Exit
 Pgm Name  .:             Library :             Type .:      ID:
 Result 1. .:  &3       Result 2. :          Result 3. :
 Result 4. .:           Result 5. :

 F3=Exit     F12=Cancel
```

4.2.1.7 Fifth Subrule

The order number - english will be ascertained:

- Split criteria (Criteria): At the position 60-73 (Pos From ... To), line 15, the word "PURCHASE ORDER" (String) will be searched.

```
 IOQ10101                        OUTQ Automizer
Change                            Split Rule

 Split Rule ID . . . . .:  LIEF_EMAIL
 Split Rule Name . . . .:  Ermittlung der Email Adresse über Lief-Nr.
 Position . . . . . . . :    50
 Position Name . . . . .:  BENR-englisch
 Type. . . . . . . . . .:  A  (S=Split Criteria, A=Attribute, X=Exit only)
Criteria
 Page From .:      1   To . :  99999    Line From .:  15   To .:  15
 Pos From. .:   60     To . :   73
 String. . .:  PURCHASE ORDER
                                                     Exact Len :   14
Data
 Line. . . .:    0     Type :  R (A=Absolute or R=Relative to Criteria found)
 Pos . . . .:   88     Type :  A (A=Absolute or R=Relative to Criteria found)
 Relative  .:  B (B=Begin, E=End)                    Length . .:    5
User Exit
 Pgm Name  .:             Library :             Type .:      ID:
 Result 1. .:  &3       Result 2. :          Result 3. :
 Result 4. .:           Result 5. :

 F3=Exit     F12=Cancel
```

4.2.1.8 Source: IOQEMAIL

```
 Spalten . . . :    1  71          Ansehen                    CCMPSRC/USRSFPGM
 SEU==>                                                          IOQEMAIL
 FMT *  ..... *. 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7
       ***************** Datenanfang ***************************************
0001.00       *****************************************************************
0002.00       * User Program For Data Conversion
0003.00       *****************************************************************
0004.00       *   Entry parameters :
0005.00       *                 SPLFNAM    Length  10      Char
0006.00       *                 SPLFNO     Length   6/0    numeric
0007.00       *                 JOBNAME    Length  10      Char
0008.00       *                 JOBUSER    Length  10      Char
0009.00       *                 JOBNUM     Length   6/0    numeric
0010.00       *                 DTAVAL     Length  50      Char
0011.00       *   Output Fields:
0012.00       *                 RESULT1    Length 128      Char
0013.00       *                 RESULT2    Length 128      Char
0014.00       *                 RESULT3    Length 50       Char
0015.00       *                 RESULT4    Length 30       Char
0016.00       *                 RESULT5    Length 10       Char
0017.00       *
0018.00      F*  eMail-Adressdatei
0019.00      FGENLFAA0  IF   E           K DISK
0020.00       *
0021.00      c     *entry        plist
0022.00      C                   PARM                    SPLFNAM          10
0023.00      C                   PARM                    SPLFNO            6 0
0024.00      C                   PARM                    JOBNAME          10
0025.00      C                   PARM                    JOBUSER          10
0026.00      C                   PARM                    JOBNUM            6
0027.00      C                   PARM                    DTAVAL           50
0028.00      C                   PARM                    RESULT1         128
0029.00      C                   PARM                    RESULT2         128
0030.00      C                   PARM                    RESULT3          50
0031.00      C                   PARM                    RESULT4          30
0032.00      C                   PARM                    RESULT5          10
0033.00      C*
0034.00      C                   clear                   RESULT1
0035.00      C                   clear                   RESULT2
0036.00      C                   clear                   RESULT3
0037.00      C                   clear                   RESULT4
0038.00      C                   clear                   RESULT5
0039.00      C*
0040.00      C     key           klist
0041.00      C                   kfld                    MODEA0
0042.00      C                   kfld                    HRKNA0
0043.00      C                   kfld                    ADTYA0
0044.00      C                   kfld                    UNRAA0
0045.00      C                   kfld                    POSNA0
0046.00      C*
0047.00      C                   if                      dtaval <> *blanks
0048.00      C                   eval      MODEA0  = 'A'
0049.00      C                   eval      HRKNA0  = '8801'
0050.00      C                   clear                   ADTYA0
0051.00      C                   eval      UNRAA0  = ' ' + %subst(dtaval:1:7)
0052.00      C                   clear                   POSNA0
0053.00      C     key           CHAIN     genlfaa0
0054.00      C                   if        %found
0055.00      C                   eval                    result1=emaia0
0056.00      C                   else
0057.00      C                   eval                    result1='*NONE'
0058.00      C                   endif
0059.00      C                   endif
0060.00      C*
0061.00      c                   return
0062.00      C*
       ******************Datenende ****************************************
```

4.2.2 Fax Transmission

4.2.2.1 Fax Transmission - Filter Rule

The following filter rule does apply for the fax transmission:

- For the fax transmission *i4Spool* will be called.
- The variable addressee (&1) will be ascertained from the User-Exit.
- The variable sender (&2) will also be ascertained from the spool content.

The activity is like the e-mail transmission.

```
                              OUTQ Automizer
                           Modify Filtering Rule

  Filtering Rule ID . . .:  FAXOUT
  Rule Description. . . .:  für den Fax-Ausgang
  Active? . . . . . . . .:  Y           values (Y, N)
  Priority. . . . . . . .:  00020
  OutQ. . . . . . . . . .:  FAXOUT
  File. . . . . . . . . .:
  User. . . . . . . . . .:
  User Data . . . . . . .:
  Pages From. . . . . . .:  00000
  Pages To. . . . . . . .:
  Type. . . . . . . . . .:              Values (*SCS, *IPDS, *AFPDS)
  Job Name. . . . . . . .:
  Split Rule ID . . . . .:  LIEF_FAX   Ermittlung der Fax-Nummer über Lieferant
  Action. . . . . . . . .:  FX ? I4SPOOL SPOOLFILE(&F) JOB(&B/&U/&J) SPLNBR(&N)
SPOOLTYPE(&T) TOSTMF('/FAX&B&N.PDF') STYLE(DPVFAX) EMAILTO('&1') EMAILFROM('&2')
 FAX(*YES) KILLFILE(*ALLWAYS) PAGORTN(*PORT80) FONTSIZE(10)

  Send File Extract . . .:  N           Values (Y, N)

  F3=Exit     F4=Prompt     F11=Work with Split Rule     F12=Cancel
```

4.2.2.2 Fax Transmission - Split Rule

The realization run with the following split rule: Source IOQFAX

```
 IOQ10101                        OUTQ Automizer
Change                            Split Rule

  Split Rule ID . . . . .:  LIEF_FAX
  Split Rule Name . . . .:  Ermittlung der Fax-Nummer über Lieferant
  Position . . . . . . . :    10
  Position Name . . . . .:  Deutsch
  Type. . . . . . . . . .:  A  (S=Split Criteria, A=Attribute, X=Exit only)
Criteria
  Page From .:      1   To . :  99999    Line From .:  18   To .:  18
  Pos From. .:   60     To . :   68
  String. . .:  Lieferant
                                                      Exact Len :    9
Data
  Line. . . .:    0     Type :  R (A=Absolute or R=Relative to Criteria found)
  Pos . . . .:   86     Type :  A (A=Absolute or R=Relative to Criteria found)
  Relative  .:  B (B=Begin, E=End)                    Length . .:    7
User Exit
  Pgm Name  .:  IOQFAX     Library : CCMPPGM      Type .:      ID:
  Result 1. .:  &1       Result 2. :          Result 3. :
  Result 4. .:           Result 5. :

  F3=Exit     F12=Cancel
```

4.2.2.3 Source: IOQFAX

```
 Spalten . . . :    6  76          Ansehen                     CCMPSRC/USRSFPGM
 SEU==>                                                            IOQFAX
 FMT *   *. 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+.
       ***************** Datenanfang ***************************************
0001.00  ****************************************************************
0002.00  * User Program For Data Conversion
0003.00  ****************************************************************
0004.00  *   Entry parameters :
0005.00  *                 SPLFNAM    Length  10      Char
0006.00  *                 SPLFNO     Length   6/0    numeric
0007.00  *                 JOBNAME    Length  10      Char
0008.00  *                 JOBUSER    Length  10      Char
0009.00  *                 JOBNUM     Length   6/0    numeric
0010.00  *                 DTAVAL     Length  50      Char
0011.00  *   Output Fields:
0012.00  *                 RESULT1    Length 128      Char
0013.00  *                 RESULT2    Length 128      Char
0014.00  *                 RESULT3    Length 50       Char
0015.00  *                 RESULT4    Length 30       Char
0016.00  *                 RESULT5    Length 10       Char
0017.00 F*  Fax-Nummern
0018.00 FGENLF510  IF   E           K DISK
0019.00  *
0020.00  *
0021.00 c     *entry        plist
0022.00 C                   PARM                    SPLFNAM          10
0023.00 C                   PARM                    SPLFNO            6 0
0024.00 C                   PARM                    JOBNAME          10
0025.00 C                   PARM                    JOBUSER          10
0026.00 C                   PARM                    JOBNUM            6
0027.00 C                   PARM                    DTAVAL           50
0028.00 C                   PARM                    RESULT1         128
0029.00 C                   PARM                    RESULT2         128
0030.00 C                   PARM                    RESULT3          50
0031.00 C                   PARM                    RESULT4          30
0032.00 C                   PARM                    RESULT5          10
0033.00 C*
0034.00 C                   clear                   RESULT1
0035.00 C                   clear                   RESULT2
0036.00 C                   clear                   RESULT3
0037.00 C                   clear                   RESULT4
0038.00 C                   clear                   RESULT5
0039.00 C*
0040.00 C*
0041.00 C                   if                      dtaval <> *blanks
0042.00 C                   eval      ADRE10  = ' ' + %subst(dtaval:1:7)
0043.00 C     adre10        CHAIN     genlf510
0044.00 C                   if        %found
0045.00 C                   eval                    result1=tlfa10
0046.00 C                   else
0047.00 C                   eval                    result1='*NONE'
0048.00 C                   endif
0049.00 C                   endif
0050.00 C*
0051.00 c                   return
0052.00 C*
       ******************Datenende ***************************************
```

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