invvideo Turn inverse video "on" (if the terminal supports it) or "off"

cols Set the width of the screen to a number of columns

lines Set the length of the screen to a number of lines

```
country:AU Australia
country:AT Austria
country:BE Belgium
```

1.4 Misceallaneous tailoring

There are a number of miscellaneous variables which may be set.

maxPersons: If a lot of matches are found, de will display the matches in a short form, showing email address and telephone number only. Otherwise full entry details are displayed. This variable allows the number of entries which will be displayed in full to be set - the default is 3.

```
maxPersons:2
```

inverseVideo: Prompts are by default shown in inverse video. Unset this variable to turn this off.

```
inverseVideo:on
```

delogfile: Searches are by default are logged to the file `de.log` in ISODE's LOGDIR. They can be directed elsewhere by using this variable.

```
delogfile:/tmp/delogfile
```

remoteAlarmTime: A remote search is one where the country and organisation name searched for not the same as the defaults. If the search has not completed within a configurable number of seconds, a message is displayed warning the user that all may not be well. The default setting is 30 seconds. The search, however, continues until it returns or is interrupted by the user.

```
remoteAlarmTime:30
```

localAlarmTime: As for remoteAlarmTime, except for local searches. The default setting is 15 seconds.

```
localAlarmTime:15
```

2 Dynamic tailoring

It is possible for a user to modify some variables used by the program while running the program. In particular, they allow a user to recover from a situation where the terminal emulation is not working correctly.

Dynamic tailoring of variables is offered by use of the SETTINGS help screen. Typing `?settings` at any prompt will display the current settings of dynamically alterable variables. The user is then offered the opportunity of modifying the variables. Variables which may currently be altered in this way are:

termtype The user's terminal type, as set in the UNIX "TERM" environment variable.

1.3 Attribute tailoring

The following configuration options all concern the display of attributes. The settings in the tailor file will probably be OK initially.

commonatt: These attributes are displayed whatever type of object is being searched for, be it an organisation, a department, or a person.

```
commonatt:telephoneNumber
commonatt:facsimileTelephoneNumber
```

orgatt: These attributes are displayed (as well as the common attributes - see above) if an entry for an organisation is displayed.

```
orgatt:telexNumber
```

ouatt: These attributes are displayed (as well as the common attributes - see above) if an entry for an organisational unit (department) is displayed.

```
ouatt:telexNumber
```

prratt: These attributes are displayed (as well as the common attributes - see above) if an entry for a person, room or role is displayed.

```
prratt:rfc822Mailbox
prratt:roomNumber
```

mapattname: This attribute allows for meaningful attribute names to be displayed to the user. The attribute names in the quipu oidtables may be mapped onto more user-friendly names. This allows for language independence.

```
mapattname:facsimileTelephoneNumber fax
mapattname:rfc822Mailbox electronic mail
```

mapphone: This allows for the mapping of international format phone numbers into a local format. It is thus possible to display local phone numbers as extension numbers only and phone numbers in the same country correctly prefixed and without the country code.

```
mapphone:+44 71-380-:
mapphone:+44 71-387- 7050 x:
mapphone:+44 :0
```

greybook: In the UK, we use big-endian domains in mail names. By setting this variable on, it is possible to display email addresses in this order rather than the default little-endian order.

```
greyBook:on
```

country: This allows for the mapping of the 2 letter ISO country codes (such as GB and DE) onto locally meaningful strings such as, for english speakers, Great Britain and Germany.

1 Static Configuration of DE

As *de* is intended as a public access dua, it is only configurable on a system-wide basis. *de* installs help files and the detailor file into a directory called `de` under ISODE's ETCDIR.

1.1 Mandatory options

The detailor file contains a number of tailorable variables, of which the following are mandatory:

dsa_address: This is the address of the access point DSA.

```
dsa_address:MY-TCP=2005
```

username: This is the username which the DUA binds to the Directory with. It is not strictly mandatory, but you are strongly encouraged to set this up. It will help you to see who is connecting to the DSA.

```
username:@c=GB@o=University College London@cn=Directory Enquiries
```

1.2 Variables you will probably want to configure

You will almost certainly want to set at least some of these to suit your local system:

welcomeMessage: This is the welcoming banner message. The default is "Welcome to the Directory Service".

```
welcomeMessage:Welcome to PARADISE - the COSINE Directory Service
```

byebyeMessage: This enables/disables the display of a message on exiting *de*. This variable takes the values "on" and "off". The message displayed is the contents of the file *debyebye*, which should be placed in the same directory as all *de*'s help files. The default is not to display an exit message.

```
byebyeMessage:on
```

default_country: This is the name of the country to search by default: e.g. "GB".

```
default_country:gb
```

default_org: This is the name of the organisation to search by default: e.g. "University College London"

```
default_org:University College London
```

default_dept: This is the name of the department (organisational unit) to search by default: e.g. "Computing". This will usually be null for public public access duas.

```
default_dept:
```

Tailoring the directory user interface DE

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Abstract

This note briefly describes the tailoring options for the directory user interface *de*. This note is a based on part of the chapter on *de* in the Quipu manual.

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