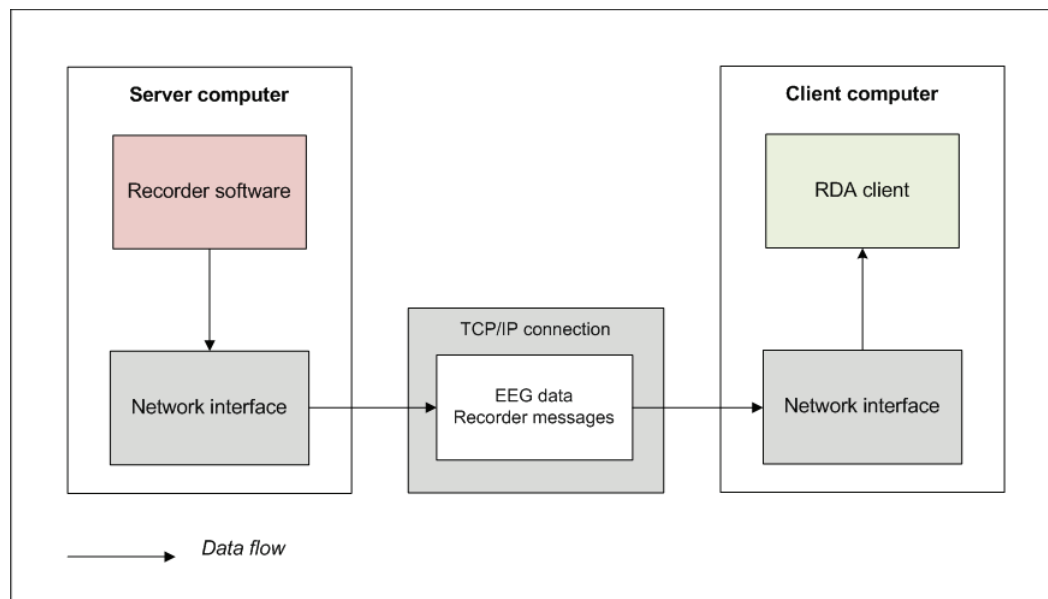**Getting Started with RDA Access**

RDA client for Python

1   Overview

RDA (Remote Data Access) is the term given to remote access to the Recorder for transferring data from the Recorder to other programs located on the local computer or on computers in the network. In this process, the Recorder acts as the server, and the program receiving the data acts as a client. Multiple clients can be connected to the same server concurrently.

Figure 1. Overview of the interaction between client and server

2   What the RDA client for Python is used for

The RDA client for Python is used to receive data, including marker information, sent by the Recorder over the network and to output this data in the console. Additionally, the average power is calculated and output.

Please note that the RDA client for Python that we have provided is merely a sample application designed to be used as a programming template for your own application.

3   Prerequisites for use

▶ Programming language used: Python Version 2.6

▶ Interpreter required: available at http://www.python.org/

4   Folders

▶ Folder containing the executable: *RDA_Python_100426*

▶ Source code folder: *RDA_Python_100426*

5   Using the client

Start the Recorder on the server computer. Choose *Configuration › Preferences...* from the menu and select the *Remote Data Access* tab. Activate the RDA server in this tab.

Run the file *RDA.py* on the client computer. The console is opened (see Figure 2).

Figure 2. Console

If you now switch the Recorder to monitoring mode, the data is displayed in the Recorder.

6   Additional information

You will find detailed information on configuring the server and the client and on the data format used in the User Manual for the Recorder.   ●