

## e-Broker system

e-Broker system is a **stock-exchanging web-application**, used by a company, the clients of which, it serves.

First, let us note that e-Broker has access to the company's Client Archive, but the authentication process is not a part of this system/ However, on each exchange request, the system demands from the invoking client to be registered in the Client Archive.

e-Broker interoperates with Athens Stock Exchange, representing the company and operates as follows:

- in a forgot password case the system suggests either for the passwords to be sent via e-mail to the client or for the client to communicate with the Client Support System, in which case, after a voice recognition test, the client can request for a new password and even ask for an exchange/transmission via the phone
- after entering the system, a user can ask for a transmission asynchronously, by defining it's details(kind, receiver, size etc.)

Based on the size of the transmission, a client is charged:

- $\Pi_1$  for a total size in range  $[0-O_1]$
- $\Pi_2$  for a total size in range  $[O_1 - O_2]$
- $\Pi_3$  for a total size larger than  $O_2$

$\Pi_{[1-3]}$  and  $O_{[1-3]}$  are a system-defined parameters, where  $\Pi_1 > \Pi_2 > \Pi_3$