



Cost-effective, Strong User Authentication

About

Cell-ID is a strong token-based user authentication system that utilises the user's mobile phone as an authentication token to validate the identity of a person accessing secure electronic services. Many online subscription services such as Internet banking, investment portals, access to medical and insurance services rely on safe and secure user authentication. Cell-ID does not require the rollout of additional hardware, software or expensive proprietary devices to the users who need to be authenticated. Cell-ID is exceptionally practical, cost-effective and secure.

Cell-ID is secure. A separate, authenticated communication channel (GSM) is used to deliver cryptographically strong one-time passcodes to a user's mobile telephone when logging into a secure service over an IP network. The user is alerted (by an SMS on their mobile telephone) whenever someone else tries to gain access to their account.

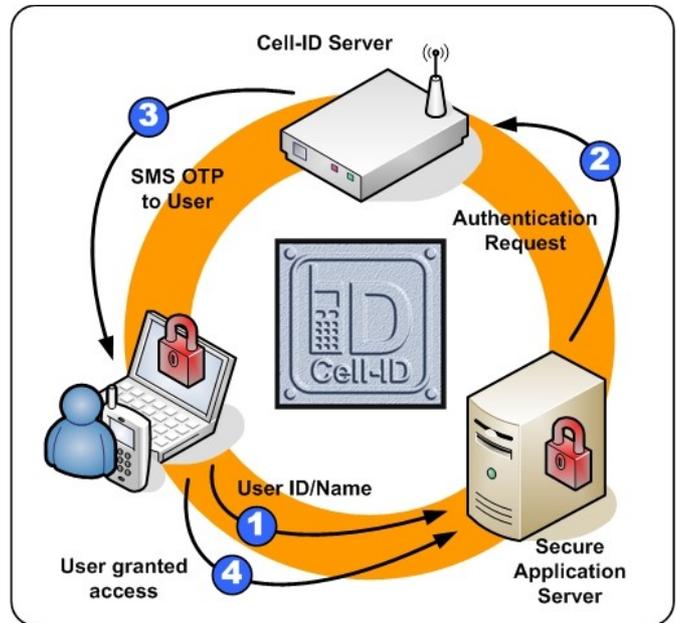
Cell-ID is affordable. Cell-ID needs a significantly lower capital investment than competing token-based authentication products.

Cell-ID is simple to roll out. No extra authentication tokens for users to carry, and no software or hardware to install on client computers. The existing mobile telephone infrastructure is used to manage the "tokens".

Cell-ID is simple to use. Cell-ID employs familiar technology that users are already comfortable with. The user logs in as usual, followed by a prompt to type in the Cell-ID passcode which is received on their mobile telephone seconds after initiating the authentication process.

The Cell-ID Authentication Process

- Step 1** The user enters their user ID/name and password.
- Step 2** The application server passes the user's login details to the Cell-ID Authentication Server.
- Step 3** The Cell-ID Authentication Server checks the user in the Cell-ID Database. An SMS containing a random one-time passcode is sent to the user. The same passcode is also sent back to the application server over the encrypted channel.
- Step 4** When the user receives the SMS containing the one-time passcode they enter the passcode which is then verified against the server's passcode. If these match, the user is granted access to the secure service.



Cell-ID Applications

Cell-ID can be used to secure the following services:

Web servers, Windows domains, UNIX logins (ssh, telnet, rsh, rlogin, X-Windows), FTP, Remote access dial-up servers and RADIUS integration.

Cell-ID Features

- Centralised Authentication Service
- SMPP Compliant
- Secure Web Management Interface
- Multiple Administrator Levels
- Flexible Authentication Management
- Remote Authentication Dial-In User Service (RADIUS)
- Monitored SMS delivery