

FOR IMMEDIATE RELEASE

IANA Accepts Identity Registration Protocol (IRP)

Internet Assigned Numbers Authority assigns port 4604 to IRP

The Internet Assigned Numbers Authority (IANA) officially assigned port 4604 to the *Identity Registration Protocol* (IRP) created by Sixscape Communications, Pte. Ltd. The assignment was issued by IANA on 17th March, 2014, and is listed in the official IANA resource registry at <http://www.iana.org/assignments/service-names-port-numbers>

There are a very limited number of port numbers, which are assigned by IANA for protocols recognized as viable, complying with current protocol design standards, and not already covered by existing Internet standards. For example, port 25 was assigned to the SMTP email protocol many years ago. This establishes a standard and eliminates conflicts with other protocols. The technical review of IRP was performed by Lars Eggert, the distinguished chair of the Internet Research Task Force.

IRP was created by Lawrence E. Hughes, co-founder and CTO of Sixscape Communications, to allow applications to register their name, email address, UserID, their current IPv6 address and other information with the company's *Domain Identity Registry* server. IRP also supports all functions of a Public Key Infrastructure and an authenticated Address Registry. Sixscape's Domain Identity Registry server issues and manages X.509 client digital certificates for authentication and secure messaging. The Address Registry feature enables a new connectivity paradigm, called *End2End Direct*, in which user applications can connect directly to each other rather than via intermediary servers as is common with Client/Server architecture applications common on the older IPv4 Internet.

Mr. Hughes commented "We are looking forward to IRP being deployed by many organizations to enable secure End2End Direct connectivity on the IPv6 Internet, and creating exciting new messaging applications made possible by IRP."

"IPv6 enables the Internet to restore its original power back by restoring its end 2 end model and allowing end 2 end innovation erased temporarily by the NAT stopgap !" – Latif Ladid, Founder and President of worldwide IPv6 Forum.

The Internet Assigned Numbers Authority (IANA) is responsible for the global coordination of the DNS Root, IP addressing, and other Internet protocol resources, such as port numbers. More information is available at www.iana.org.

Lawrence E. Hughes is a 40+ year veteran of many Internet companies and is a recognized authority in IPv6 and Public Key Infrastructure. IPv6 is the latest version of the fundamental protocol underlying Internet communications, and is being deployed worldwide now. By 2017, Internet traffic over IPv6 is expected to surpass traffic over the older IPv4 in volume. Public Key Infrastructure involves issuing and managing X.509 digital certificates. Mr. Hughes created the original training in cryptography and PKI for VeriSign (the leading company in PKI) from 1998-2000.

Sixscape Communications, Pte. Ltd. is a Singapore based company that creates and sells Internet applications that feature strong support for IPv6 and Public Key Infrastructure (PKI). They are doing pioneering work in the area of End2End Direct secure communications, made possible by IPv6. More information is available at www.sixscape.com.