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Title: Generic Top Level Domain for mobile terminals and services
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1 Introduction

This contribution introduces a new mobile top-level domain, in which the domain name system is optimised for mobile devices and mobile Internet access. The proposed TLD will ensure that all mobile content, services and hosts in this new domain can be fully integrated within the global information infrastructure. The aim is to guarantee a high quality Internet experience that fulfils the emerging market demands and expectations of mobile users.

Nokia Corporation filed an application with the recent round of discussions in ICANN proposing the creation of a new top-level domain optimised for mobile use. The TLD concept as a community wide opportunity understandably needs further development and wide business backing. Therefore all Partner and Member organisations in 3GPP are invited to support this activity and make the mobile Top Level Domain happen. Nokia, besides other 3GPP Partners and Members, is willing to accept the responsibility of being one of the founding members of the Sponsoring Organisation that will formulate the policies governing the usage of the new TLD.

2 Why this is important

- The number of mobile handsets connected to the web will exceed the number of PCs connected to the Internet by the year 2003.
- The convenience of mobile access to information and services everywhere will result in a rapidly increasing demand for customised mobile Internet accesses with over 50 percent of mobile users using IP addresses by 2005.

This huge growth could impact the stability of the Internet because of the imbalance users residing on the mobile side without being registered in the fixed Internet space. Technical solutions may not yet exist for ensuring updated routing information and a relevant name base connection for mobile hosts in a domain name system accommodating millions of constantly moving devices, which can be randomly switched on and off. Due to the distinct character and non-traditional usage situations and patterns of mobile applications and services, the Mobile Internet will always have its particular needs. A new domain name can avoid conflicts in the naming field, and provide for additional supporting functionality within an integrated global internet infrastructure.

The structure of the proposed domain name system is very simple. Second-level domain names will only be available for registrars who are providers of mobile devices and services. The registrants, i.e. the mobile Internet users, will use third- and lower-level domain names. The third-level hosts will typically be mobile devices.

Nokia has provided multiple suggestions for the domain name because of an entirely new concept

for domain name system usage. The TLD name should reflect this intention and its essential elements – mobility, individuality and instant access. Still, there is no specific TLD name that would be crucial for the proposed TLD. The eight suggestions are .mas, .max, .mid, .mis, .mob, .mobile, .now, .own.

The new top-level domain is to be operated on a non-profit basis. Nokia Corporation seeks no direct financial benefit from the proposed creation of the domain. The financial benefits of the proposed top-level domain concept are indirect - higher quality of service for all mobile Internet users will boost the adoption of mobile Internet applications to the benefit of all parties involved.

3 Proposal

3GPP Partners, its Members, and its Market Representation Partners are invited to act together and join in the founding members and promoters of the new mobile Top Level Domain. The TSG SA meeting is invited to express support for this activity.

4 Further information

More information on TLD matters can be found at <http://www.icann.org>
For further information regarding this proposal please contact Reidar Wasenius (reidar.wasenius@nokia.com) and Kari Lang (kari.j.lang@nokia.com).