Peter Nurse
Candidate's Statement for the
Position of oneM2M Technical Plenary Chair

I wish to be considered for the position of Chair of the Technical Plenary of oneM2M.

I hold a passionate belief in the role of Chair, which is captured in part in the following taken from Article 15 of the Draft Working Procedures:

> The Chair and Vice Chair shall maintain strict impartiality in their respective roles and act in the interest of oneM2M.

If you don't think I will do that, don't vote for me. If I'm elected and don't do that, I expect you to fire me.

It is also important to realize that the role of Chair goes beyond maintaining impartiality. The role of the Chair may be captured in the following objective: to lead the group to consensus. Achieving that objective requires a number of skills that I have demonstrated in previous activities.

I was actively involved in the creation of 3GPP2, and brought those experiences to the creation of oneM2M. My involvement with the activities that have culminated in the creation of oneM2M began in May 2011, and I have contributed to all aspects including the Partnership Agreement, and the Working Procedures. I have reached out to the Verticals whose involvement in oneM2M is crucial to its success. I proposed the name of the organization, oneM2M, since it captures the idea of where we would like to be: a single solution in use by all segments of industry to support their M2M initiatives. I proposed the tag line used on the presentation to the Verticals, better together, since it captures the desire to be inclusive and a sincere belief that we are all better together. With our collective wisdom we have the opportunity to improve many aspects of the lives of humanity.

I currently serve as Chair of TIA TR-50, *M2M-Smart Device Communications*; I previously served as Chair of Subcommittee TR-50.1. In this role, I have been active in the development of the architecture and protocols for an M2M system that may be described as collaborative distributed computing system. These are published in the TIA-4940 series.

In 1998, I was elected Chair of TIA TR-45.3, which was established soon after the FCC permitted digital modulation in the 800MHz cellular band. In a period of twenty two months, TR-45.3 resolved the FDMA/TDMA issue (CDMA was not in contention at that time) and developed the IS-54 TDMA Standard, including the modulation scheme, coding scheme, basic channel structure and signaling. IS-54 went on to become one of the three major second generation standards for cellular.

I served as Chair of TIA TR-45, the standardization body responsible for cellular standards in North America, between 1995 and 2001, actively leading the standardization effort, providing solutions that were acceptable to all facets of the cellular industry, including the proponents for TDMA and CDMA access technologies, as well as the core network.

I served as the US Spokesperson for Radio Technology on the US Delegation to ITU WP 8F between 2003 and 2007. The Spokesperson is responsible for coordinating and establishing a view or position on all aspects of Radio Technology, both before and during the meeting. The Spokesperson is the only person authorized to speak on behalf of the US. But most important, the Spokesperson finds a way forward when conflicts arise, but occasionally has to stand firm on the agreed position.

I have been involved in a number of entrepreneurial activities, including a remote patient monitoring project aimed at screening patients for Sleep Apnea. This involved collecting data via a cell phone from a pulse oximeter and actimetry sensor attached to a patient. I implemented the client software (Java ME) and the server software as a Ruby-on-Rails application on a shared server. Thus, I have real-life experience in implementing M2M systems.

If elected, I will seek to foster an atmosphere of trust and mutual respect. I will continue to seek to actively involve all segments of industry that may benefit from the deployment of machine-to-machine solutions. I will seek solutions that are acceptable to as many participants as possible. I will seek to meet our agreed objectives.

Thank you for your consideration.

Curriculum Vitae of Peter Nurse
Candidate for Chair of oneM2M Technical Plenary

Peter Nurse joined Computer Technology Ltd. in 1969 having graduated with an Honors Degree in Electrical and Electronic Engineering from the University of Hertfordshire. With initial assignments related to circuit design, Peter assumed overall project responsibility for primary storage products from concept into production and first customer shipment and installation.

In 1971 he enrolled at the University of Nottingham, and joined the Cripps Computing Centre in 1972 upon receiving a Masters Degree in Mathematical Logic and Computing Science. During his time at the Cripps Computing Center he was a member of a small team that implemented a campus-wide packet-switched network integrating various disparate computing platforms in numerous geographic locations.

Emigrating to Canada in 1976, he joined Bell Northern Software Research in Toronto, with both project responsibility and technical responsibility for both hardware and software aspects of numerous micro-processor based customer premises equipment.

Moving to AES Data in 1979, he managed multi-disciplinary teams responsible for new product design in the office automation space, with primary responsibility for communications software and "close-to-the-machine" software development, including operating system, compilers, cross compilers, and device drivers.

In 1983, Peter took the opportunity to join NovAtel Communications, Ltd. in Calgary, where he became responsible for approximately ten percent of the total R&D budget, and for all aspects of the advanced technology development program: identify strategic technologies; make versus buy decisions; research program to develop technology; and staff development.

Peter has operated a consulting practice since 1991, offering consulting services related to telecommunications standards and regulatory affairs, software development, and management of technological innovation.

Peter has worked with Qualcomm for six years and has continued to be involved in the ITU-R IMT program, both in the ITU-R and in TIA. Peter has also been actively involved in the creation of oneM2M.