Bruce Stanford, BT Wholesale
Speech at the Reception Dinner, Wednesday, June 7

General Welcome

Ladies and Gentlemen, distinguished members of the IEEE CQR community, distinguished members of the international Olympics community, distinguished members of the resilience, finance and academic communities, distinguished guests, segment and session chairs and presenters

It is my great pleasure to welcome the IEEE to the UK, to London, to the BT Tower, a very visible symbol of BT within London and on a personal note to my home town.

IEEE

BT has had a long association with, and engagement in, the IEEE and is delighted to host this IEEE CQR International Workshop.

This year's program covers:

- **World Class Communications for World Class Events** - Bringing together first-hand experience from recent winter and summer Olympic Games to anticipate the challenges which will face the organizers, the communications infrastructure and service providers of the 2012 London Games. You are also looking at……
- **The Communications Response to Extreme Events** - Bringing together first-hand experience from recent natural, accidental and terrorist events to discuss and determine the impact upon communications networks and services. And also……..
- **Communications Services for Major Financial Centres**

I sincerely hope you have been made to feel welcome and that you have managed to consider real world issues for which the communications quality, reliability and security challenges need to be applied.

I would contend that there is no better place to discuss these issues than London – but then as a Londoner I am sure we will understand my biased views.

NGN

BT's vision is to be *dedicated to helping customers thrive in a changing world*.
Our 21CN Programme is designed to deliver a world class customer experience from end-to-end, from accessing and managing a range of services, to receiving the bill - with those services delivered at the same or better quality as that which our customers receive today - all enabled through innovation at BT.

We will continue to maintain our legacy networks as we transition but then we intend to remove them. We were the first company in the world to announce that we planned to turn off our PSTN. – that certainly got a few people's attention!

21CN will drive a radical simplification of BT's operations, increasing efficiency and the ability to launch new services to market faster than we can today. It will empower the customer with control, choice and flexibility like never before.

21CN is a next generation network infrastructure, but it's much more than that. It's about supporting the next generation of services and revenues for BT – and BT's customers.

Against 21CN investment we aim to deliver £1 billion of cash savings to BT every year … and we expect to achieve this level of cost reduction from the financial year 2008/9.

Today, BT's UK network has 16 discrete but related networks, each designed support a service. This is a network that has developed over many years and reflects the numerous new technology waves. As new technologies emerged, it was usually more efficient to overlay network capability.

It comprises tens of thousands of network elements including switches, routers and concentrators. Maintaining this type of network, with the associated services, support and training it requires, is expensive and a significant source of operating costs.

Our 21CN network for the UK is a <u>single</u> platform that is multi-service and future proof on IP.

There will be a radical reduction in the number of components resulting in physically a simpler network with enhanced reliability.

The 21CN network is multi-service. This means that a single network infrastructure will be able to support voice, data, internet and video services. If you like, it's a single platform supporting multiple services … rather than multiple platforms, each supporting single services.

In June 2004, BT announced its programme to underpin the next generation of converged, multimedia communications services with IP technology in the core.

Needless to say the success of this transformation will depend upon the application of the highest standards of Quality, Reliability and Security.

21CN will be substantially completed by the end of decade

Olympics

The implementation of 21CN will have significant implications for the London 2012 Games -both challenges and opportunities. There will be huge changes in the products and services which can be delivered over the network, with converged services expected to advance at a considerable rate from now until 2010, when the solutions to run over the technology can be finally planned.

Convergence also poses very real challenges in the Olympic sponsorship arena in terms of how the ICT infrastructure can be planned – with the traditional categories of fixed infrastructure, mobility and internet needing to be highly converged in their very planning. With the IOC holding some sponsorships and the Organising Committee others, ensuring that London's categories are clearly defined enough to provide value to potential local sponsors, whilst maintaining protection for the existing TOP sponsors, in such a changing World, is going to be an interesting challenge…

We are very excited about 21CN and what it could deliver an Olympic Games and you will have heard from Karen Debax-Latour earlier today. We share London's excitement about winning the Games and are extremely proud to have been one of the Bid's premier partners.

I am certain that we will see a number of extremely exciting developments over the next couple of years with converged mobility solutions changing the way we do things and BT will be leading the way in this. I hope that we will be in a position to work with the organisers of the Games to help them deliver the best Olympic Games ever, in London, in 2012.

Wrap up

As professionals with a keen interests in telecommunications in all its forms, in one place we are able to enjoy the:

- most open telecoms market in the world
- consider the opportunities that technology brings us with convergence becoming a reality, and the excitement of New Generation Networks – with London being the HQ of BT with our ambitious, but advanced plans for 21CN
- consider the opportunities that society brings us, be they the more negative aspects such as the increased need for security, or environment challenges, or the positive ones such as the 2012 Olympics
- and also I do hope you enjoy the view.

I would now like to invite Professor Kenichi Mase - Chairman of IEEE CQR ~ Department of Information Engineering Faculty of Engineering Niigata University Japan to present the Chairman's Awards for 2006.