

DELIVERY

TUESDAY 21 JULY ■ 11:00AM – CONFERENCE ROOM 2

Title: **IP Delivery of DAB+ To Transmitters**

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Abstract

When SBS and ABC call for service to distribute the DAB+ program to the transmitter sites, The service should be reliable, cost effective and easily expandable for further future roll out with high availability of 99.99 % ie about outage of 1 hour in a year.

It was jointly decided that IP with QOS is more reliable and the IP multicasting will provides diversity of routing and ease of future expansion. The final architecture was mooted out jointly with Telstra and United Group Limited who supply the Radioscape DAB equipment.

Permanent IP distribution of program via multicasting is relatively new in Australia although unicast has been used as itinerant services. In December, it was planned to test this service jointly with the help of Cisco. The tests had helped to identify some problems that Radioscape have to address and seemed to indicate that Telstra SLA will be suitable.

Even with that, the final rollout still requires fine tuning of the Telstra network as well as Radioscape equipment. This paper will discuss some of the QOS used by Telstra and gives a summary of that experience.

Bio

Yuan Chan is currently the Project Engineer for SBS working on the joint digital radio rollout with ABC. Graduated in Electrical and Electronic Engineering from Queen Mary College, London University he subsequently obtained a M. Sc. in Computer Science from University College and Master of Biomedical Engineering from University of New South Wales.

He joined SBS in 1997 as Chief Engineer for Radio and was responsible for the migration of SBS Radio's production and play-out to computer based a System in 2000. In 2002 he worked with the SBS technical staff to move the Melbourne Station from Ballet Centre to Federation Square, installing 9 Radio on-air studios and 15 recording booths.. In 2004 he renovated the radio studios in SBS, Artarmon, Sydney.