

CONTENT CREATION AND MANAGEMENT

WEDNESDAY, 22 JULY ■ 3:00PM – CONFERENCE ROOM 2

Title: Super Performance 3Gb/s in a Practical Application

**Presenter: Ray Baldock
Grass Valley
Vice President Marketing and Technology**

Abstract

Signal routing infrastructure that is installed today must be ready for 3Gb/s transport even if there are no immediate plans to exploit it for rates above HD-SDI. However, the data rate increase from 1.5Gb/s to 3.0Gb/s has created some technical challenges that must be overcome for signal infrastructure investments to retain their value over the long term.

This paper demonstrates that it is possible to build products today, that overcome the technical hurdles to offer superb signal performance at 3Gb/s and thus assuring your upgrade to 3Gb/s does not result in a down grade in performance.

It discusses how long cable lengths – approaching 200m - with 3Gb/s signals are possible. It describes techniques that are used to obtain very low jitter specifications. It also outlines that the added benefit of this super-performance approach results in signals that are more robust. It concludes that investing in 3Gb/s infrastructure today is entirely practical so as to be ready and capable when you are ready to make the transition to the higher data rate

Bio



Ray Baldock is responsible for marketing and product planning for Grass Valley. He also coordinates the technology planning and standards activities for the company.

He began his career as an engineer at Channel 10 in Melbourne, Australia. With over 30 years in the industry, he has been a customer as well as having held engineering, product management, sales and marketing roles with RCA, Sony and Odetics.

Ray graduated in 1978 with a degree in Electrical Engineering from Monash University in Melbourne, Australia. He resides with his family in Nevada City, California.