

# Trends in Recording Capabilities For The '90's'



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## ABSTRACT

As sensor bandwidths increase and the amount of information gathered increases, higher capacity storage devices will be required as well as increased capture/transmission/reproduce data rates.

Both collection/capture sites (with more sensors and wider bandwidths) and link receive/distribution sites will need to be upgraded to accommodate high transmission rates, provide rate matching for capture/dissemination/processing and provide higher capacity storage. These trends and recorder solutions are forecast as natural evolution of the state-of-the-art. Extended performance (high data rate/high capacity) tape recorders will be discussed as applicable to satellite-to-ground communication, space platform experimental data gathering, reconnaissance, ASW sonar, radar and data processing systems.