

IP Fundamentals for ATSC 3.0

The use of the Internet Protocol (IP) as the transport platform within ATSC 3.0 systems encompasses fundamentals of IP networking that have been with us for years combined with the latest technology developments to create an end-end over the air and/or terrestrial delivery system. This presentation will provide an overview of IP networking technology that is found in the design of a high-performance IP network combined with recent technology and standards advances in video transmission and network timing specific to the broadcast plant. A focus will be placed upon applying concepts of a segmented network environment likely to be found within an ATSC 3.0 technical plant implementation.