PSIP: Program System Information Protocol

Mark Eyer
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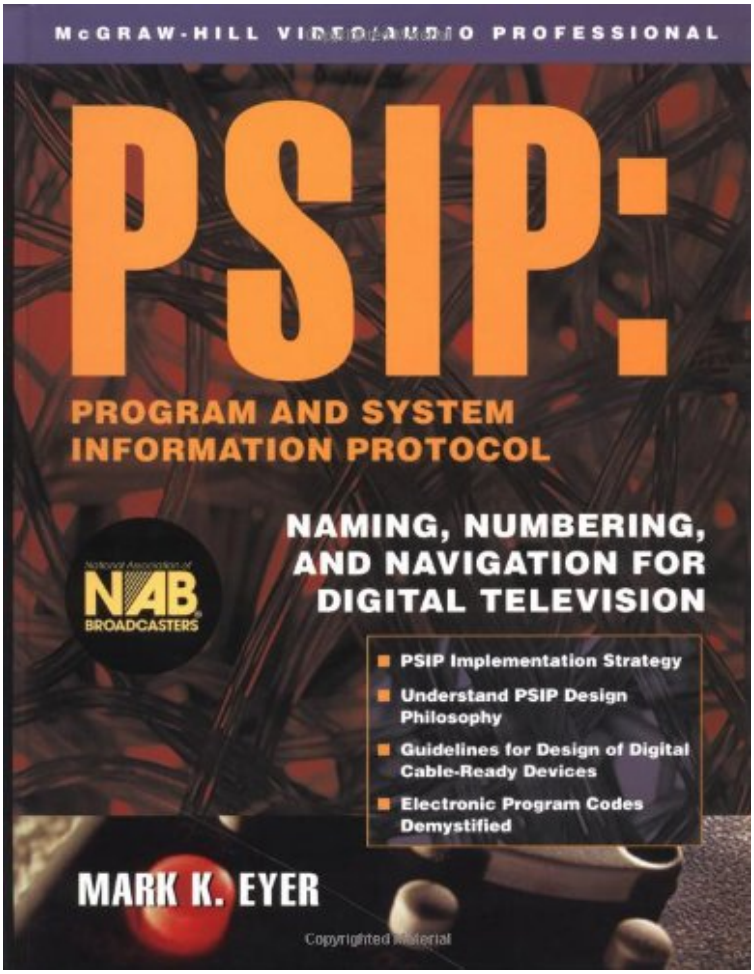

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Mark Eyer : PSIP: Program System Information Protocol before purchasing it in order to gage whether or not it would be worth my time, and all praised PSIP: Program System Information Protocol:

0 of 0 people found the following review helpful. An important and definitive sourceBy Armando StettnerThere are so few good references on this, outside the standards. Well, actually, I know of no others. There are, of course, some useful wikipedia pages but not to this depth.0 of 0 people found the following review helpful. Very Informative and Excellent ReferenceBy Steve SowersI work in video engineering and have found this book to be a valuable tool. I would recommend to anyone in the video/tv broadcasting field.0 of 0 people found the following review helpful. Four StarsBy Marcio VidalThis book is essential for understanding the basics of Digital TV.

Making digital and interactive television work depends up on the ATSCs new PSIP standard. This book, written by one of the standards primary architects, annotates and explains the complex standard document, breaking it down into

practical, usable checklists and methods for broadcast, cable, satellite, and product design.

From the Back CoverWEAPONS FOR THOSE ON DTVs FRONTLINES* Decoding key to the mysteries of PSIP* Helpful guidelines for the design of set-top boxes, DTV receivers, video recorders, and cable-ready devicesPSIP ANNOTATEDYou can ease the intense time-to-market pressure in DTV product design and development with this unique, helpful guide. Written by a principal author of the protocolhimself a senior engineer working in DTV device creationPSIP annotates and explains the complexities of the standard. The only technical guide that offers comprehensive coverage of the standard that you must implement successfully to make digital and interactive TV devices work, this book helps you:* Understand PSIP information, with clear run-throughs on complexities in data representation, tables, and descriptors* Save design time with guidelines, considerations, requirements, and checklists* Design cable-ready devices and use navigation data delivered on the out-of-band channel* Answer questions on PSIP expandability, from reserved fields to private data and collision avoidance* Understand how the V-chip system works in digital television* Comply with emergency alert system standards and meet EAS requirements* Get a better grasp on PSIP with information on the standards background and an insiders history of reasons technical choices were made* Look up needed facts in the complete ATSC A/65 standardThe Broadcast Industrys Official Technical Guide to DTV and Interactive TelevisionAbout the AuthorMark K. Eyer is currently Director of Systems at the Technology Standards Office of Sony Electronics. He graduated Cum Laude with a B.S. degree from the University of Washington in 1973 and received an MSEE degree in 1978 from the same institution. For the past twenty years, Mr. Eyer has been involved with the development of technologies and products related to secure and digital television and he holds twelve US patents in these areas. After joining General Instrument (now Motorola) in 1982, he was responsible for design of decoder firmware and system control software. Beginning in 1988, Mr. Eyer designed firmware for products employing digital video compression technology. In 1990, he was given responsibility for the development and maintenance of the protocols used to deliver data across the satellite link to individual decoders. This work formed a contribution to ATSC that led to the A/56 System Information for Digital Television standard in 1994. Since 1994, Mr. Eyer has made contributions to various digital television standards including ATSC A/65 Program and System Information Protocol (PSIP) for Terrestrial Broadcast and Cable, part of which was derived from the earlier A/56 work. He became involved in digital interconnection standards in 1997, and co-chaired the committees in EIA/CEA that created the EIA-775-A DTV 1394 Interface Specification, EIA-775.2 Service Selection Information for Storage Media Interoperability and EIA-848 Application Profiles for EIA-775-A Compliant DTVs. Mr. Eyer was a primary contributor to various SCTE Digital Video Subcommittee (DVS) standards including ANSI/SCTE 26 Home Digital Network Interface, DVS 216 POD Extended Channel Specification, and SCTE 65 Service Information Delivered Out-of-Band for Digital Cable Television and he led the team that developed EIA-814/SCTE 18 Emergency Alert Message for Cable. Currently, Mr. Eyer chairs the ATSC T3/S38 Transport Specialists group, works with various SCTE, ATSC, and EIA/CEA standards committees, and contributes systems engineering expertise to the development of Sony's digital television and cable set-top box products.