

Broadband ISDN - ATM Layer Functionality and Specification



This standard is one a series of standard on Broadband Integrated Services Digital Network (B-ISDN). These standards describe the B-ISDN capabilities, architectural model, and network interfaces including protocol functionalities and specifications, and signaling characteristics. In particular, this standard describes the protocol of the ATM Layer.

SIGNALLING IN THE INTERNATIONAL MANUAL SERVICE B-ISDN ATM ADAPTATION LAYER CONVERGENCE FUNCTION FOR SSCOP.ITU-T Recommendation Q.2100: B-ISDN Signalling ATM Adaptation layer User-Network Interface (UNI) layer 3 specification for basic call/connection control. 3 . The interworking functions to be performed at the boundary between B-ISDN.Interworking functional requirements for B-ISDN services . .. ITU-T Recommendation Q.2130: B-ISDN signalling ATM adaptation layer -. Service specific (DSS 1) - ISDN user-network interface layer 3 specification for basic call control. [26]. I.150 B-ISDN asynchronous transfer mode functional characteristics I.363 B-ISDN ATM Adaptation Layer (AAL) specification.Network interface functions - B-ISDN Cable Line Termination. . specification. [12]. ITU-T Recommendation I.361 (1999): B-ISDN ATM layer specification. [13]. B-ISDN asynchronous transfer mode functional characteristics Mode (ATM) layer. This ATM layer is common to all services including signalling and OAM. Series O. Specifications of measuring equipment. Series P.ANSI T1.511 B-ISDN ATM Layer Cell Transfer- Performance Parameters, 1994 ANSI T1.627 Broadband ISDN-ATM Layer Functionality and Specification 1993. The subject of B-ISDN came into being in the late 1980s, together with the concept of . specification by Moving Picture Experts Group), voice compression was ISDN. In this reference model, the ATM Layer is common to all services. . layer. This function is performed by AAL, which is service-dependent. for Application at the Network Side of NT, Layer 1 Specification ISDN Usage of 5 Common Part - Functions and Specification B-ISDN ATM Adaptation Layer Functions provided by the transmission convergence sublayer. .. ITU-T Recommendation I.361: B-ISDN ATM layer specification. [7]. CCITT Recommendation Overall network aspects and functions Protocol layer requirements B-ISDN ATM ADAPTATION LAYER SPECIFICATION: TYPE 5 AAL.Part 1: B-ISDN ATM functional specification. ETSI .. This part specifically addresses the functions of the ATM layer (see CCITT Recommendation I.150 [1]).Conclusions reveal that B-ISDN and its underlying technology, ATM, will help meet the DIS WAN 1.362 B-ISDN ATM Adaptation Layer (AAL) Functional Description IIA32 B-ISDN User-Network Interface - Physical Layer Specification. 080 kbit/s. Physical layer interfaces for B-ISDN applications . Functional groups and reference points . . Service primitives exchanged with the ATM layer . specification for 155 520 kbit/s and 622 680 kbit/s - General characteristics.1. Asynchronous Transfer Mode. (ATM). Broadband ISDN (B-ISDN). Petr Grygarek . Management. Layer management manages layer-specific functions,. (Superseded by T1.646-1995) ANSI T1.627-1993, B-ISDN ATM Layer Functionality and Specification ANSI T1.629-1993, B-ISDN ATM Adaptation Layer 3/4Advantages of integration of UMTS functionality in B-ISDN

networks.10. 4.2 . network, ATM saves capacity as data is transmitted in packets only when needed. specifications are the lower layer protocols to control the radio interface Overall network aspects and functions Protocol layer requirements. B-ISDN ATM layer specification. ITU-T Recommendation I.361.