

EXHIBIT 1003

IEEE STANDARDS FOR LOCAL & METROPOLITAN AREA NETWORKS

Supplement to Integrated Services (IS) LAN Interface at the Medium Access Control (MAC) and Physical (PHY) Layers

Remote Terminal Line Power for IEEE 802.9 Integrated Services Terminal Equipment

Prepared by the IEEE 802.9f Editor

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Significant Changes

- Added relationship to ITU-T I.430
- Added to the critical functionality section those elements requested by Wayne Zakowski.
- Added some clarification to the use of the asymmetrical modes of the ISLAN remote powering.

Things to do:

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NOTE : This is an internal working document of the IEEE 802.9 Working Group on Integrated Services LANs. As such, it is not a standard and may be changed as a result of further work by IEEE 802.9.

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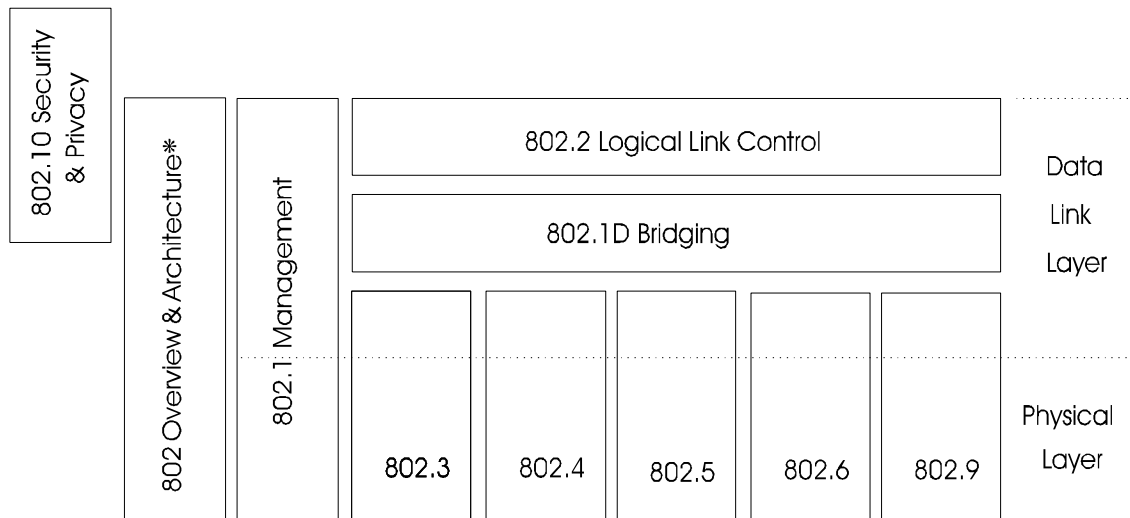
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Foreword

(This Foreword is not part of the Proposed Standard P802.9f, Integrated Services (IS) LAN : Remote Terminal Line Power for IEEE 802.9 Integrated Services Terminal Equipment).

This standard is part of a family of standards for Local and Metropolitan Area Networks. The relationship between this standard and other members of the family is shown below. (The numbers in the figure refer to IEEE standard numbers.)



*Formerly IEEE Std 802.1A

This family of standards deals with the physical and data link layers as defined by the ISO Open Systems Interconnection Basic Reference Model (ISO 7498:1984). The access standards define several types of medium access technologies and associated physical media, each appropriate for particular applications or system objectives. Other types are under investigation.

The standards defining these technologies are as follows :

- IEEE Std 802 : Overview and Architecture. This standard provides an overview to the family of IEEE 802 Standards. This document forms part of the 802.1 scope of work.
- IEEE Std 802.1D : MAC Bridging. Specifies an architecture and protocol for the interconnection of IEEE 802 LANs below the MAC service boundary.
- IEEE Std 802.1E : System Load Protocol. Specifies a set of services and protocol for those aspects of management concerned with the loading of systems on IEEE 802 LANs.
- ISO 8802-2 [ANSI/IEEE Std. 802.2] : Logical Link Control.
- ISO/IEC 8802-3 [ANSI/IEEE Std 802.3] : CSMA/CD Access Method and Physical Layer Specifications.

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