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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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**Information technology -- Telecommunications and information
exchange between systems -- Prox (Zzz) y for sleeping hosts**

信息技术 系统间远程通信和信息交换 休眠主机代理

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Appendix A (Informative) System Considerations

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References

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses redrafted Law Reference using ISO/IEC 16317:2011 "Information technology systems for telecommunications and information exchange Dormancy host agent ", the degree of consistency with ISO/IEC 16317:2011 is not equivalent.

Please note that some of this document may be patentable. The issuing agencies of this document do not bear the responsibility of identifying these patents.

This standard by the National Information Technology Standardization Technical Committee (SAC/TC28) and focal point.

This standard drafting unit. China Electronics Standardization Institute, Shenzhen Institute of Standards and Technology, Wuxi Internet of Things Industry Research Institute.

1 Scope

This standard specifies through the proxy to maintain network connectivity and network presence, in order to extend the host's sleep duration, the specific definition.

--- Agent can present to the host's ability;

--- Host and the exchange of information between agents;

--- Acting acts against GB/T 15629.3 and GB/T 15629.11;

--- Acting in their run-time mandatory and optional proxy behavior, including the response package, generate packages, ignore packages and wake up the host.

This standard does not specify the communication mechanism between the host and the agent; does not extend or modify the referenced file; does not support such as IPsec, Security and communication protocols such as SSL, TLS and Mobile IP.

This standard applies to web-based sleep agent design, development and maintenance.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 15629.3 Information technology - Telecommunications and information exchange between systems - Local area networks and metro networks - Specific requirements - Part 3.

Access Methods and Physical Layer Specifications for Carrier Sense Multiple Access with Collision Detection (CSMA/CD) (ISO/IEC 8802-3:2000, MOD) GB/T 15629.11 Information technology - Telecommunications and information exchange between systems LAN and MAN specific requirements Article 11 Part 1. Wireless LAN Medium Access Control and Physical Layer Specifications - Additional Management Domain Practices (ISO/IEC 8802-11:2005, IDT) GB/T 28455 information security technology to introduce credible third party entity authentication and access architecture specification IEEE802.1D Media Access Control (MAC) Bridging [Mediaaccesscontrol (MAC) bridges] IEEE802.1p business priority LAN Layer 2 Quality of Service/Service Class Protocol (LANlayer2QoS/CoSprotocol fortrafficprioritization) IEEE802.11r Fast Basic Service Set (BSS) Transition [Fastbasicserviceset (BSS) transition] IEEE802.11w Protected Management Frames (Protected Management Frames) RFC791 Internet Protocol (Internetprotocol) RFC793 Transmission Control Protocol (Transmissioncontrolprotocol) RFC826 Ethernet Address Resolution Protocol [Anethernet address Resolution Protocol, davidC.Plummer (MIT)] RFC1034 Domain names concepts and facilities (Domainnames-Conceptsandfacilities) RFC1035 Domain Name Implementation and Specification (Domainnames-Implementationandspecification) RFC1112 IP multicast host extension (HostextensionsforIPmulticasting) RFC1122 Internet Host Requirements (Requirementsforinternethosts) RFC1141 Internet check and incremental updates (Incrementalupdatingoftheinternetchecksum) RFC1156 TCP/IP-based management of Internet network management information base (Managementinformationbasefor networkmanagementofTCP/IP-basedinternets) RFC1157 Simple Network Management Protocol [Asimplenetworkmanagementprotocol (SNMP)] RFC1441 Network Management Framework Internet Standard Version 2 (Introductiontoftion2oftheinternet-standard networkmanagementframework) RFC2131 Dynamic Host Configuration Protocol (Dynamichostconfigurationprotocol)