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**IPv6 address assignment and encoding rules - General
requirements**

IPv6地址分配和编码规则 总体要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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General requirements for IPv6 address allocation and encoding rules

1 Scope

This document specifies the rules for allocating and encoding IPv6 addresses used in China.

This document applies to the allocation and coding of all IPv6 addresses used in China, including addresses applied for from domestic address allocation agencies.

The allocation and coding of addresses and addresses applied for from international organizations with IP address management rights.

2 Normative references

This document has no normative references.

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 IPv6 addressIPv6address

A 128-bit identifier used to identify an IPv6 network interface or a group of IPv6 network interfaces.

3.2 node

A device that uses IPv6.

3.3 link

A connection from one node to an adjacent node without any other routing forwarding nodes in between.

3.4 interface

The connection between a node and a link. [Source. YD/T 2415-2012]

3.5 virtualinterface

An interface established through configuration that enables data exchange functions.

3.6 Site

A collection of nodes, links, etc., with an independent global routing prefix.

Example. The site is shown in Figure 1.