

IANA Interface Type YANG Module

Abstract

This document defines the initial version of the iana-if-type YANG module.

Status of This Memo

This is an Internet Standards Track document.

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Information about the current status of this document, any errata, and how to provide feedback on it may be obtained at <http://www.rfc-editor.org/info/rfc7224>.

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1. Introduction

This document defines the initial version of the `iana-if-type` YANG module for interface type definitions.

The `iana-if-type` module reflects IANA's existing "ifType definitions" registry [[IFTYPE-IANA-REGISTRY](#)]. The latest revision of the module can be obtained from the IANA web site.

Whenever a new interface type is added to the "ifType definitions" registry, the `IANAifType-MIB` and the `iana-if-type` YANG module are updated by IANA.

2. IANA-Maintained Interface Type YANG Module

This YANG module imports the "interface-type" identity from [[RFC7223](#)].

```
<CODE BEGINS> file "iana-if-type.yang"
```

```
module iana-if-type {
  namespace "urn:ietf:params:xml:ns:yang:iana-if-type";
  prefix ianaift;

  import ietf-interfaces {
    prefix if;
  }

  organization "IANA";
  contact
    "      Internet Assigned Numbers Authority

    Postal: ICANN
           4676 Admiralty Way, Suite 330
           Marina del Rey, CA 90292

    Tel:    +1 310 823 9358
    <mailto:iana@iana.org>";
```

`description`

```
"This YANG module defines YANG identities for IANA-registered
interface types.
```

```
This YANG module is maintained by IANA and reflects the
'ifType definitions' registry.
```

```
The latest revision of this YANG module can be obtained from
the IANA web site.
```

```
Requests for new values should be made to IANA via
email (iana@iana.org).
```

```
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```

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Relating to IETF Documents
(http://trustee.ietf.org/license-info).
```

```
The initial version of this YANG module is part of RFC 7224;
see the RFC itself for full legal notices.";
```

`reference`

```
"IANA 'ifType definitions' registry.
<http://www.iana.org/assignments/smi-numbers>";
```

`revision 2014-05-08 {``description`

```
"Initial revision.";
```

`reference`

```
"RFC 7224: IANA Interface Type YANG Module";
```

`}``identity iana-interface-type {`

```
base if:interface-type;
```

`description`

```
"This identity is used as a base for all interface types
defined in the 'ifType definitions' registry.";
```

`}`

```
identity other {
  base iana-interface-type;
}
identity regular1822 {
  base iana-interface-type;
}
identity hdh1822 {
  base iana-interface-type;
}
identity ddnX25 {
  base iana-interface-type;
}
identity rfc877x25 {
  base iana-interface-type;
  reference
    "RFC 1382 - SNMP MIB Extension for the X.25 Packet Layer";
}
identity ethernetCsmacd {
  base iana-interface-type;
  description
    "For all Ethernet-like interfaces, regardless of speed,
    as per RFC 3635.";
  reference
    "RFC 3635 - Definitions of Managed Objects for the
    Ethernet-like Interface Types";
}
identity iso88023Csmacd {
  base iana-interface-type;
  status deprecated;
  description
    "Deprecated via RFC 3635.
    Use ethernetCsmacd(6) instead.";
  reference
    "RFC 3635 - Definitions of Managed Objects for the
    Ethernet-like Interface Types";
}
identity iso88024TokenBus {
  base iana-interface-type;
}
identity iso88025TokenRing {
  base iana-interface-type;
}
identity iso88026Man {
  base iana-interface-type;
}
identity starLan {
  base iana-interface-type;
  status deprecated;
}
```

```
description
  "Deprecated via RFC 3635.
  Use ethernetCsmacd(6) instead.";
reference
  "RFC 3635 - Definitions of Managed Objects for the
  Ethernet-like Interface Types";
}
identity proteon10Mbit {
  base iana-interface-type;
}
identity proteon80Mbit {
  base iana-interface-type;
}
identity hyperchannel {
  base iana-interface-type;
}
identity fddi {
  base iana-interface-type;
  reference
    "RFC 1512 - FDDI Management Information Base";
}
identity lapb {
  base iana-interface-type;
  reference
    "RFC 1381 - SNMP MIB Extension for X.25 LAPB";
}
identity sdlc {
  base iana-interface-type;
}
identity ds1 {
  base iana-interface-type;
  description
    "DS1-MIB.";
  reference
    "RFC 4805 - Definitions of Managed Objects for the
    DS1, J1, E1, DS2, and E2 Interface Types";
}
identity e1 {
  base iana-interface-type;
  status obsolete;
  description
    "Obsolete; see DS1-MIB.";
  reference
    "RFC 4805 - Definitions of Managed Objects for the
    DS1, J1, E1, DS2, and E2 Interface Types";
}
```

```
identity basicISDN {
  base iana-interface-type;
  description
    "No longer used.  See also RFC 2127.";
}
identity primaryISDN {
  base iana-interface-type;
  description
    "No longer used.  See also RFC 2127.";
}
identity propPointToPointSerial {
  base iana-interface-type;
  description
    "Proprietary serial.";
}
identity ppp {
  base iana-interface-type;
}
identity softwareLoopback {
  base iana-interface-type;
}
identity eon {
  base iana-interface-type;
  description
    "CLNP over IP.";
}
identity ethernet3Mbit {
  base iana-interface-type;
}
identity nsip {
  base iana-interface-type;
  description
    "XNS over IP.";
}
identity slip {
  base iana-interface-type;
  description
    "Generic SLIP.";
}
identity ultra {
  base iana-interface-type;
  description
    "Ultra Technologies.";
}
identity ds3 {
  base iana-interface-type;
  description
    "DS3-MIB.";
```

```
reference
  "RFC 3896 - Definitions of Managed Objects for the
    DS3/E3 Interface Type";
}
identity sip {
  base iana-interface-type;
  description
    "SMDS, coffee.";
  reference
    "RFC 1694 - Definitions of Managed Objects for SMDS
      Interfaces using SMIV2";
}
identity frameRelay {
  base iana-interface-type;
  description
    "DTE only.";
  reference
    "RFC 2115 - Management Information Base for Frame Relay
      DTEs Using SMIV2";
}
identity rs232 {
  base iana-interface-type;
  reference
    "RFC 1659 - Definitions of Managed Objects for RS-232-like
      Hardware Devices using SMIV2";
}
identity para {
  base iana-interface-type;
  description
    "Parallel-port.";
  reference
    "RFC 1660 - Definitions of Managed Objects for
      Parallel-printer-like Hardware Devices using
      SMIV2";
}
identity arcnet {
  base iana-interface-type;
  description
    "ARCnet.";
}
identity arcnetPlus {
  base iana-interface-type;
  description
    "ARCnet Plus.";
}
```

```
identity atm {
  base iana-interface-type;
  description
    "ATM cells.";
}
identity miox25 {
  base iana-interface-type;
  reference
    "RFC 1461 - SNMP MIB extension for Multiprotocol
    Interconnect over X.25";
}
identity sonet {
  base iana-interface-type;
  description
    "SONET or SDH.";
}
identity x25ple {
  base iana-interface-type;
  reference
    "RFC 2127 - ISDN Management Information Base using SMIV2";
}
identity iso88022llc {
  base iana-interface-type;
}
identity localTalk {
  base iana-interface-type;
}
identity smdsDxi {
  base iana-interface-type;
}
identity frameRelayService {
  base iana-interface-type;
  description
    "FRNETSERV-MIB.";
  reference
    "RFC 2954 - Definitions of Managed Objects for Frame
    Relay Service";
}
identity v35 {
  base iana-interface-type;
}
identity hssi {
  base iana-interface-type;
}
identity hippi {
  base iana-interface-type;
}
```



```
identity modem {
  base iana-interface-type;
  description
    "Generic modem.";
}
identity aal5 {
  base iana-interface-type;
  description
    "AAL5 over ATM.";
}
identity sonetPath {
  base iana-interface-type;
}
identity sonetVT {
  base iana-interface-type;
}
identity smdsIcip {
  base iana-interface-type;
  description
    "SMDS InterCarrier Interface.";
}
identity propVirtual {
  base iana-interface-type;
  description
    "Proprietary virtual/internal.";
  reference
    "RFC 2863 - The Interfaces Group MIB";
}
identity propMultiplexor {
  base iana-interface-type;
  description
    "Proprietary multiplexing.";
  reference
    "RFC 2863 - The Interfaces Group MIB";
}
identity ieee80212 {
  base iana-interface-type;
  description
    "100BaseVG.";
}
identity fibreChannel {
  base iana-interface-type;
  description
    "Fibre Channel.";
}
```

```
identity hippiInterface {
  base iana-interface-type;
  description
    "HIPPI interfaces.";
}
identity frameRelayInterconnect {
  base iana-interface-type;
  status obsolete;
  description
    "Obsolete; use either
     frameRelay(32) or frameRelayService(44).";
}
identity aflane8023 {
  base iana-interface-type;
  description
    "ATM Emulated LAN for 802.3.";
}
identity aflane8025 {
  base iana-interface-type;
  description
    "ATM Emulated LAN for 802.5.";
}
identity cctEmul {
  base iana-interface-type;
  description
    "ATM Emulated circuit.";
}
identity fastEther {
  base iana-interface-type;
  status deprecated;
  description
    "Obsoleted via RFC 3635.
     ethernetCsmacd(6) should be used instead.";
  reference
    "RFC 3635 - Definitions of Managed Objects for the
     Ethernet-like Interface Types";
}
identity isdn {
  base iana-interface-type;
  description
    "ISDN and X.25.";
  reference
    "RFC 1356 - Multiprotocol Interconnect on X.25 and ISDN
     in the Packet Mode";
}
}
```

```
identity v11 {
  base iana-interface-type;
  description
    "CCITT V.11/X.21.";
}
identity v36 {
  base iana-interface-type;
  description
    "CCITT V.36.";
}
identity g703at64k {
  base iana-interface-type;
  description
    "CCITT G703 at 64Kbps.";
}
identity g703at2mb {
  base iana-interface-type;
  status obsolete;
  description
    "Obsolete; see DS1-MIB.";
}
identity qllc {
  base iana-interface-type;
  description
    "SNA QLLC.";
}
identity fastEtherFX {
  base iana-interface-type;
  status deprecated;
  description
    "Obsoleted via RFC 3635.
    ethernetCsmacd(6) should be used instead.";
  reference
    "RFC 3635 - Definitions of Managed Objects for the
    Ethernet-like Interface Types";
}
identity channel {
  base iana-interface-type;
  description
    "Channel.";
}
identity ieee80211 {
  base iana-interface-type;
  description
    "Radio spread spectrum.";
}
identity ibm370parChan {
  base iana-interface-type;
```

```
    description
      "IBM System 360/370 OEMI Channel.";
  }
  identity escon {
    base iana-interface-type;
    description
      "IBM Enterprise Systems Connection.";
  }
  identity dlsw {
    base iana-interface-type;
    description
      "Data Link Switching.";
  }
  identity isdns {
    base iana-interface-type;
    description
      "ISDN S/T interface.";
  }
  identity isdnu {
    base iana-interface-type;
    description
      "ISDN U interface.";
  }
  identity lapd {
    base iana-interface-type;
    description
      "Link Access Protocol D.";
  }
  identity ipSwitch {
    base iana-interface-type;
    description
      "IP Switching Objects.";
  }
  identity rsrb {
    base iana-interface-type;
    description
      "Remote Source Route Bridging.";
  }
  identity atmLogical {
    base iana-interface-type;
    description
      "ATM Logical Port.";
    reference
      "RFC 3606 - Definitions of Supplemental Managed Objects
        for ATM Interface";
  }
  identity ds0 {
    base iana-interface-type;
```

```
description
  "Digital Signal Level 0.";
reference
  "RFC 2494 - Definitions of Managed Objects for the DS0
  and DS0 Bundle Interface Type";
}
identity ds0Bundle {
  base iana-interface-type;
  description
    "Group of ds0s on the same dsl.";
  reference
    "RFC 2494 - Definitions of Managed Objects for the DS0
    and DS0 Bundle Interface Type";
}
identity bsc {
  base iana-interface-type;
  description
    "Bisynchronous Protocol.";
}
identity async {
  base iana-interface-type;
  description
    "Asynchronous Protocol.";
}
identity cnr {
  base iana-interface-type;
  description
    "Combat Net Radio.";
}
identity iso88025Dtr {
  base iana-interface-type;
  description
    "ISO 802.5r DTR.";
}
identity eplrs {
  base iana-interface-type;
  description
    "Ext Pos Loc Report Sys.";
}
identity arap {
  base iana-interface-type;
  description
    "Appletalk Remote Access Protocol.";
}
identity propCnls {
  base iana-interface-type;
  description
    "Proprietary Connectionless Protocol.";
```

```
}
identity hostPad {
  base iana-interface-type;
  description
    "CCITT-ITU X.29 PAD Protocol.";
}
identity termPad {
  base iana-interface-type;
  description
    "CCITT-ITU X.3 PAD Facility.";
}
identity frameRelayMPI {
  base iana-interface-type;
  description
    "Multiproto Interconnect over FR.";
}
identity x213 {
  base iana-interface-type;
  description
    "CCITT-ITU X213.";
}
identity adsl {
  base iana-interface-type;
  description
    "Asymmetric Digital Subscriber Loop.";
}
identity rads1 {
  base iana-interface-type;
  description
    "Rate-Adapt. Digital Subscriber Loop.";
}
identity sds1 {
  base iana-interface-type;
  description
    "Symmetric Digital Subscriber Loop.";
}
identity vds1 {
  base iana-interface-type;
  description
    "Very H-Speed Digital Subscrib. Loop.";
}
identity iso88025CRFPInt {
  base iana-interface-type;
  description
    "ISO 802.5 CRFP.";
}
identity myrinet {
  base iana-interface-type;
```

```
    description
      "Myricom Myrinet.";
  }
  identity voiceEM {
    base iana-interface-type;
    description
      "Voice recEive and transMit.";
  }
  identity voiceFXO {
    base iana-interface-type;
    description
      "Voice Foreign Exchange Office.";
  }
  identity voiceFXS {
    base iana-interface-type;
    description
      "Voice Foreign Exchange Station.";
  }
  identity voiceEncap {
    base iana-interface-type;
    description
      "Voice encapsulation.";
  }
  identity voiceOverIp {
    base iana-interface-type;
    description
      "Voice over IP encapsulation.";
  }
  identity atmDxi {
    base iana-interface-type;
    description
      "ATM DXI.";
  }
  identity atmFuni {
    base iana-interface-type;
    description
      "ATM FUNI.";
  }
  identity atmIma {
    base iana-interface-type;
    description
      "ATM IMA.";
  }
  identity pppMultilinkBundle {
    base iana-interface-type;
    description
      "PPP Multilink Bundle.";
  }
}
```

```
identity ipOverCdlc {
  base iana-interface-type;
  description
    "IBM ipOverCdlc.";
}
identity ipOverClaw {
  base iana-interface-type;
  description
    "IBM Common Link Access to Workstn.";
}
identity stackToStack {
  base iana-interface-type;
  description
    "IBM stackToStack.";
}
identity virtualIpAddress {
  base iana-interface-type;
  description
    "IBM VIPA.";
}
identity mpc {
  base iana-interface-type;
  description
    "IBM multi-protocol channel support.";
}
identity ipOverAtm {
  base iana-interface-type;
  description
    "IBM ipOverAtm.";
  reference
    "RFC 2320 - Definitions of Managed Objects for Classical IP
      and ARP Over ATM Using SMIv2 (IPOA-MIB)";
}
identity iso88025Fiber {
  base iana-interface-type;
  description
    "ISO 802.5j Fiber Token Ring.";
}
identity tdlc {
  base iana-interface-type;
  description
    "IBM twinaxial data link control.";
}
identity gigabitEthernet {
  base iana-interface-type;
  status deprecated;
}
```



```
description
  "Obsoleted via RFC 3635.
  ethernetCsmacd(6) should be used instead.";
reference
  "RFC 3635 - Definitions of Managed Objects for the
  Ethernet-like Interface Types";
}
identity hdlc {
  base iana-interface-type;
  description
    "HDLC.";
}
identity lapf {
  base iana-interface-type;
  description
    "LAP F.";
}
identity v37 {
  base iana-interface-type;
  description
    "V.37.";
}
identity x25mlp {
  base iana-interface-type;
  description
    "Multi-Link Protocol.";
}
identity x25huntGroup {
  base iana-interface-type;
  description
    "X25 Hunt Group.";
}
identity transpHdlc {
  base iana-interface-type;
  description
    "Transp HDLC.";
}
identity interleave {
  base iana-interface-type;
  description
    "Interleave channel.";
}
identity fast {
  base iana-interface-type;
  description
    "Fast channel.";
}
```

```
identity ip {
  base iana-interface-type;
  description
    "IP (for APPN HPR in IP networks).";
}
identity docsCableMaclayer {
  base iana-interface-type;
  description
    "CATV Mac Layer.";
}
identity docsCableDownstream {
  base iana-interface-type;
  description
    "CATV Downstream interface.";
}
identity docsCableUpstream {
  base iana-interface-type;
  description
    "CATV Upstream interface.";
}
identity al2MppSwitch {
  base iana-interface-type;
  description
    "Avalon Parallel Processor.";
}
identity tunnel {
  base iana-interface-type;
  description
    "Encapsulation interface.";
}
identity coffee {
  base iana-interface-type;
  description
    "Coffee pot.";
  reference
    "RFC 2325 - Coffee MIB";
}
identity ces {
  base iana-interface-type;
  description
    "Circuit Emulation Service.";
}
identity atmSubInterface {
  base iana-interface-type;
  description
    "ATM Sub Interface.";
}
```

```
identity l2vlan {
  base iana-interface-type;
  description
    "Layer 2 Virtual LAN using 802.1Q.";
}
identity l3ipvlan {
  base iana-interface-type;
  description
    "Layer 3 Virtual LAN using IP.";
}
identity l3ipxvlan {
  base iana-interface-type;
  description
    "Layer 3 Virtual LAN using IPX.";
}
identity digitalPowerline {
  base iana-interface-type;
  description
    "IP over Power Lines.";
}
identity mediaMailOverIp {
  base iana-interface-type;
  description
    "Multimedia Mail over IP.";
}
identity dtm {
  base iana-interface-type;
  description
    "Dynamic synchronous Transfer Mode.";
}
identity dcn {
  base iana-interface-type;
  description
    "Data Communications Network.";
}
identity ipForward {
  base iana-interface-type;
  description
    "IP Forwarding Interface.";
}
identity msdsl {
  base iana-interface-type;
  description
    "Multi-rate Symmetric DSL.";
}
identity ieee1394 {
  base iana-interface-type;
```

```
    description
      "IEEE1394 High Performance Serial Bus.";
  }
  identity if-gsn {
    base iana-interface-type;
    description
      "HIPPI-6400.";
  }
  identity dvbRccMacLayer {
    base iana-interface-type;
    description
      "DVB-RCC MAC Layer.";
  }
  identity dvbRccDownstream {
    base iana-interface-type;
    description
      "DVB-RCC Downstream Channel.";
  }
  identity dvbRccUpstream {
    base iana-interface-type;
    description
      "DVB-RCC Upstream Channel.";
  }
  identity atmVirtual {
    base iana-interface-type;
    description
      "ATM Virtual Interface.";
  }
  identity mplsTunnel {
    base iana-interface-type;
    description
      "MPLS Tunnel Virtual Interface.";
  }
  identity srp {
    base iana-interface-type;
    description
      "Spatial Reuse Protocol.";
  }
  identity voiceOverAtm {
    base iana-interface-type;
    description
      "Voice over ATM.";
  }
  identity voiceOverFrameRelay {
    base iana-interface-type;
    description
      "Voice Over Frame Relay.";
  }
}
```

```
identity idsl {
  base iana-interface-type;
  description
    "Digital Subscriber Loop over ISDN.";
}
identity compositeLink {
  base iana-interface-type;
  description
    "Avici Composite Link Interface.";
}
identity ss7SigLink {
  base iana-interface-type;
  description
    "SS7 Signaling Link.";
}
identity propWirelessP2P {
  base iana-interface-type;
  description
    "Prop. P2P wireless interface.";
}
identity frForward {
  base iana-interface-type;
  description
    "Frame Forward Interface.";
}
identity rfc1483 {
  base iana-interface-type;
  description
    "Multiprotocol over ATM AAL5.";
  reference
    "RFC 1483 - Multiprotocol Encapsulation over ATM
      Adaptation Layer 5";
}
identity usb {
  base iana-interface-type;
  description
    "USB Interface.";
}
identity ieee8023adLag {
  base iana-interface-type;
  description
    "IEEE 802.3ad Link Aggregate.";
}
identity bgppolicyaccounting {
  base iana-interface-type;
  description
    "BGP Policy Accounting.";
}
```

```
identity frf16MfrBundle {
  base iana-interface-type;
  description
    "FRF.16 Multilink Frame Relay.";
}
identity h323Gatekeeper {
  base iana-interface-type;
  description
    "H323 Gatekeeper.";
}
identity h323Proxy {
  base iana-interface-type;
  description
    "H323 Voice and Video Proxy.";
}
identity mpls {
  base iana-interface-type;
  description
    "MPLS.";
}
identity mfSigLink {
  base iana-interface-type;
  description
    "Multi-frequency signaling link.";
}
identity hdsl2 {
  base iana-interface-type;
  description
    "High Bit-Rate DSL - 2nd generation.";
}
identity shdsl {
  base iana-interface-type;
  description
    "Multirate HDSL2.";
}
identity ds1FDL {
  base iana-interface-type;
  description
    "Facility Data Link (4Kbps) on a DS1.";
}
identity pos {
  base iana-interface-type;
  description
    "Packet over SONET/SDH Interface.";
}
```

```
identity dvbAsiIn {
  base iana-interface-type;
  description
    "DVB-ASI Input.";
}
identity dvbAsiOut {
  base iana-interface-type;
  description
    "DVB-ASI Output.";
}
identity plc {
  base iana-interface-type;
  description
    "Power Line Communications.";
}
identity nfas {
  base iana-interface-type;
  description
    "Non-Facility Associated Signaling.";
}
identity tr008 {
  base iana-interface-type;
  description
    "TR008.";
}
identity gr303RDT {
  base iana-interface-type;
  description
    "Remote Digital Terminal.";
}
identity gr303IDT {
  base iana-interface-type;
  description
    "Integrated Digital Terminal.";
}
identity isup {
  base iana-interface-type;
  description
    "ISUP.";
}
identity propDocsWirelessMaclayer {
  base iana-interface-type;
  description
    "Cisco proprietary Maclayer.";
}
```

```
identity propDocsWirelessDownstream {
  base iana-interface-type;
  description
    "Cisco proprietary Downstream.";
}
identity propDocsWirelessUpstream {
  base iana-interface-type;
  description
    "Cisco proprietary Upstream.";
}
identity hiperlan2 {
  base iana-interface-type;
  description
    "HIPERLAN Type 2 Radio Interface.";
}
identity propBWA2Mp {
  base iana-interface-type;
  description
    "PropBroadbandWirelessAccesspt2Multipt (use of this value
    for IEEE 802.16 WMAN interfaces as per IEEE Std 802.16f
    is deprecated, and ieee80216WMAN(237) should be used
    instead).";
}
identity sonetOverheadChannel {
  base iana-interface-type;
  description
    "SONET Overhead Channel.";
}
identity digitalWrapperOverheadChannel {
  base iana-interface-type;
  description
    "Digital Wrapper.";
}
identity aal2 {
  base iana-interface-type;
  description
    "ATM adaptation layer 2.";
}
identity radioMAC {
  base iana-interface-type;
  description
    "MAC layer over radio links.";
}
identity atmRadio {
  base iana-interface-type;
  description
    "ATM over radio links.";
}
```



```
identity imt {
  base iana-interface-type;
  description
    "Inter-Machine Trunks.";
}
identity mvl {
  base iana-interface-type;
  description
    "Multiple Virtual Lines DSL.";
}
identity reachDSL {
  base iana-interface-type;
  description
    "Long Reach DSL.";
}
identity frDlciEndPt {
  base iana-interface-type;
  description
    "Frame Relay DLCI End Point.";
}
identity atmVciEndPt {
  base iana-interface-type;
  description
    "ATM VCI End Point.";
}
identity opticalChannel {
  base iana-interface-type;
  description
    "Optical Channel.";
}
identity opticalTransport {
  base iana-interface-type;
  description
    "Optical Transport.";
}
identity propAtm {
  base iana-interface-type;
  description
    "Proprietary ATM.";
}
identity voiceOverCable {
  base iana-interface-type;
  description
    "Voice Over Cable Interface.";
}
```

```
identity infiniband {
  base iana-interface-type;
  description
    "Infiniband.";
}
identity teLink {
  base iana-interface-type;
  description
    "TE Link.";
}
identity q2931 {
  base iana-interface-type;
  description
    "Q.2931.";
}
identity virtualTg {
  base iana-interface-type;
  description
    "Virtual Trunk Group.";
}
identity sipTg {
  base iana-interface-type;
  description
    "SIP Trunk Group.";
}
identity sipSig {
  base iana-interface-type;
  description
    "SIP Signaling.";
}
identity docsCableUpstreamChannel {
  base iana-interface-type;
  description
    "CATV Upstream Channel.";
}
identity econet {
  base iana-interface-type;
  description
    "Acorn Econet.";
}
identity pon155 {
  base iana-interface-type;
  description
    "FSAN 155Mb Symmetrical PON interface.";
}
```

```
identity pon622 {
  base iana-interface-type;
  description
    "FSAN 622Mb Symetrical PON interface.";
}
identity bridge {
  base iana-interface-type;
  description
    "Transparent bridge interface.";
}
identity linegroup {
  base iana-interface-type;
  description
    "Interface common to multiple lines.";
}
identity voiceEMFGD {
  base iana-interface-type;
  description
    "Voice E&M Feature Group D.";
}
identity voiceFGDEANA {
  base iana-interface-type;
  description
    "Voice FGD Exchange Access North American.";
}
identity voiceDID {
  base iana-interface-type;
  description
    "Voice Direct Inward Dialing.";
}
identity mpegTransport {
  base iana-interface-type;
  description
    "MPEG transport interface.";
}
identity sixToFour {
  base iana-interface-type;
  status deprecated;
  description
    "6to4 interface (DEPRECATED).";
  reference
    "RFC 4087 - IP Tunnel MIB";
}
identity gtp {
  base iana-interface-type;
  description
    "GTP (GPRS Tunneling Protocol).";
}
```

```
identity pdnEtherLoop1 {
  base iana-interface-type;
  description
    "Paradyne EtherLoop 1.";
}
identity pdnEtherLoop2 {
  base iana-interface-type;
  description
    "Paradyne EtherLoop 2.";
}
identity opticalChannelGroup {
  base iana-interface-type;
  description
    "Optical Channel Group.";
}
identity homepna {
  base iana-interface-type;
  description
    "HomePNA ITU-T G.989.";
}
identity gfp {
  base iana-interface-type;
  description
    "Generic Framing Procedure (GFP).";
}
identity ciscoISLvlan {
  base iana-interface-type;
  description
    "Layer 2 Virtual LAN using Cisco ISL.";
}
identity actelisMetaLOOP {
  base iana-interface-type;
  description
    "Acteleis proprietary MetaLOOP High Speed Link.";
}
identity fcipLink {
  base iana-interface-type;
  description
    "FCIP Link.";
}
identity rpr {
  base iana-interface-type;
  description
    "Resilient Packet Ring Interface Type.";
}
```

```
identity qam {
  base iana-interface-type;
  description
    "RF Qam Interface.";
}
identity lmp {
  base iana-interface-type;
  description
    "Link Management Protocol.";
  reference
    "RFC 4327 - Link Management Protocol (LMP) Management
      Information Base (MIB)";
}
identity cblVectaStar {
  base iana-interface-type;
  description
    "Cambridge Broadband Networks Limited VectaStar.";
}
identity docsCableMCmtsDownstream {
  base iana-interface-type;
  description
    "CATV Modular CMTS Downstream Interface.";
}
identity adsl2 {
  base iana-interface-type;
  status deprecated;
  description
    "Asymmetric Digital Subscriber Loop Version 2
      (DEPRECATED/OBSOLETE - please use adsl2plus(238)
      instead).";
  reference
    "RFC 4706 - Definitions of Managed Objects for Asymmetric
      Digital Subscriber Line 2 (ADSL2)";
}
identity macSecControlledIF {
  base iana-interface-type;
  description
    "MACSecControlled.";
}
identity macSecUncontrolledIF {
  base iana-interface-type;
  description
    "MACSecUncontrolled.";
}
identity aviciOpticalEther {
  base iana-interface-type;
  description
    "Avici Optical Ethernet Aggregate.";
```

```
}
identity atmbond {
  base iana-interface-type;
  description
    "atmbond.";
}
identity voiceFGDOS {
  base iana-interface-type;
  description
    "Voice FGD Operator Services.";
}
identity mocaVersion1 {
  base iana-interface-type;
  description
    "MultiMedia over Coax Alliance (MoCA) Interface
    as documented in information provided privately to IANA.";
}
identity ieee80216WMAN {
  base iana-interface-type;
  description
    "IEEE 802.16 WMAN interface.";
}
identity adsl2plus {
  base iana-interface-type;
  description
    "Asymmetric Digital Subscriber Loop Version 2 -
    Version 2 Plus and all variants.";
}
identity dvbRcsMacLayer {
  base iana-interface-type;
  description
    "DVB-RCS MAC Layer.";
  reference
    "RFC 5728 - The SatLabs Group DVB-RCS MIB";
}
identity dvbTdm {
  base iana-interface-type;
  description
    "DVB Satellite TDM.";
  reference
    "RFC 5728 - The SatLabs Group DVB-RCS MIB";
}
identity dvbRcsTdma {
  base iana-interface-type;
  description
    "DVB-RCS TDMA.";
  reference
    "RFC 5728 - The SatLabs Group DVB-RCS MIB";
}
```

```
}
identity x86Laps {
  base iana-interface-type;
  description
    "LAPS based on ITU-T X.86/Y.1323.";
}
identity wwanPP {
  base iana-interface-type;
  description
    "3GPP WWAN.";
}
identity wwanPP2 {
  base iana-interface-type;
  description
    "3GPP2 WWAN.";
}
identity voiceEBS {
  base iana-interface-type;
  description
    "Voice P-phone EBS physical interface.";
}
identity ifPwType {
  base iana-interface-type;
  description
    "Pseudowire interface type.";
  reference
    "RFC 5601 - Pseudowire (PW) Management Information Base (MIB)";
}
identity ilan {
  base iana-interface-type;
  description
    "Internal LAN on a bridge per IEEE 802.1ap.";
}
identity pip {
  base iana-interface-type;
  description
    "Provider Instance Port on a bridge per IEEE 802.1ah PBB.";
}
identity aluELP {
  base iana-interface-type;
  description
    "Alcatel-Lucent Ethernet Link Protection.";
}
identity gpon {
  base iana-interface-type;
  description
    "Gigabit-capable passive optical networks (G-PON) as per
    ITU-T G.948.";
```

```
}
identity vdsl2 {
  base iana-interface-type;
  description
    "Very high speed digital subscriber line Version 2
    (as per ITU-T Recommendation G.993.2).";
  reference
    "RFC 5650 - Definitions of Managed Objects for Very High
    Speed Digital Subscriber Line 2 (VDSL2)";
}
identity capwapDot11Profile {
  base iana-interface-type;
  description
    "WLAN Profile Interface.";
  reference
    "RFC 5834 - Control and Provisioning of Wireless Access
    Points (CAPWAP) Protocol Binding MIB for
    IEEE 802.11";
}
identity capwapDot11Bss {
  base iana-interface-type;
  description
    "WLAN BSS Interface.";
  reference
    "RFC 5834 - Control and Provisioning of Wireless Access
    Points (CAPWAP) Protocol Binding MIB for
    IEEE 802.11";
}
identity capwapWtpVirtualRadio {
  base iana-interface-type;
  description
    "WTP Virtual Radio Interface.";
  reference
    "RFC 5833 - Control and Provisioning of Wireless Access
    Points (CAPWAP) Protocol Base MIB";
}
identity bits {
  base iana-interface-type;
  description
    "bitsport.";
}
identity docsCableUpstreamRfPort {
  base iana-interface-type;
  description
    "DOCSIS CATV Upstream RF Port.";
}
```



```
identity cableDownstreamRfPort {
  base iana-interface-type;
  description
    "CATV downstream RF Port.";
}
identity vmwareVirtualNic {
  base iana-interface-type;
  description
    "VMware Virtual Network Interface.";
}
identity ieee802154 {
  base iana-interface-type;
  description
    "IEEE 802.15.4 WPAN interface.";
  reference
    "IEEE 802.15.4-2006";
}
identity otnOdu {
  base iana-interface-type;
  description
    "OTN Optical Data Unit.";
}
identity otnOtu {
  base iana-interface-type;
  description
    "OTN Optical channel Transport Unit.";
}
identity ifVfiType {
  base iana-interface-type;
  description
    "VPLS Forwarding Instance Interface Type.";
}
identity g9981 {
  base iana-interface-type;
  description
    "G.998.1 bonded interface.";
}
identity g9982 {
  base iana-interface-type;
  description
    "G.998.2 bonded interface.";
}
identity g9983 {
  base iana-interface-type;
  description
    "G.998.3 bonded interface.";
}
```

```
identity aluEpon {
  base iana-interface-type;
  description
    "Ethernet Passive Optical Networks (E-PON).";
}
identity aluEponOnu {
  base iana-interface-type;
  description
    "EPON Optical Network Unit.";
}
identity aluEponPhysicalUni {
  base iana-interface-type;
  description
    "EPON physical User to Network interface.";
}
identity aluEponLogicalLink {
  base iana-interface-type;
  description
    "The emulation of a point-to-point link over the EPON
    layer.";
}
identity aluGponOnu {
  base iana-interface-type;
  description
    "GPON Optical Network Unit.";
  reference
    "ITU-T G.984.2";
}
identity aluGponPhysicalUni {
  base iana-interface-type;
  description
    "GPON physical User to Network interface.";
  reference
    "ITU-T G.984.2";
}
identity vmwareNicTeam {
  base iana-interface-type;
  description
    "VMware NIC Team.";
}
}
```

<CODE ENDS>

3. IANA Considerations

This document defines the initial version of the IANA-maintained iana-if-type YANG module.

The iana-if-type YANG module is intended to reflect the "ifType definitions" registry [[IFTYPE-IANA-REGISTRY](#)], exactly like the IANAifType-MIB MIB module [[IANAifType-MIB](#)] reflects the "ifType definitions" registry.

IANA has added this new note to the "iana-if-type YANG Module" registry:

Interface types must not be directly added to the iana-if-type YANG module. They must instead be added to the "ifType definitions" registry.

When an interface type is added to the "ifType definitions" registry, a new "identity" statement must be added to the iana-if-type YANG module. The name of the "identity" is the same as the corresponding enumeration in the IANAifType-MIB. The following substatements to the "identity" statement should be defined:

"base": Contains the value "iana-interface-type".

"status": Include only if a registration has been deprecated (use the value "deprecated") or obsoleted (use the value "obsolete").

"description": Replicate the description from the registry, if any. Insert line breaks as needed so that the line does not exceed 72 characters.

"reference": Replicate the reference from the registry, if any, and add the title of the document.

Unassigned or reserved values are not present in the module.

When the iana-if-type YANG module is updated, a new "revision" statement must be added in front of the existing revision statements.

IANA has added this new note to the "ifType definitions" registry:

When this registry is modified, the YANG module iana-if-type must be updated as defined in [RFC 7224](#).

The "Reference" text in the "ifType definitions" registry has been updated as:

OLD:

[RFC1213][RFC2863]

NEW:

[RFC1213][RFC2863][RFC7224]

3.1. URI Registrations

This document registers a URI in the "IETF XML" registry [RFC3688]. Following the format in RFC 3688, the following registration has been made.

URI: urn:ietf:params:xml:ns:yang:iana-if-type

Registrant Contact: IANA.

XML: N/A; the requested URI is an XML namespace.

3.2. YANG Module Registrations

This document registers a YANG module in the "YANG Module Names" registry [RFC6020].

```
name:          iana-if-type
namespace:    urn:ietf:params:xml:ns:yang:iana-if-type
prefix:       ianaift
reference:    RFC 7224
```

4. Security Considerations

Since this document does not introduce any technology or protocol, there are no security issues to be considered for this document itself.

5. Normative References

[IANAifType-MIB]

Internet Assigned Numbers Authority, "IANAifType Textual Convention definitions",
<<http://www.iana.org/assignments/ianaiftype-mib>>.

[IFTYPE-IANA-REGISTRY]

Internet Assigned Numbers Authority, "ifType Definitions",
<<http://www.iana.org/assignments/smi-numbers>>.

[RFC3688] Mealling, M., "The IETF XML Registry", BCP 81, RFC 3688, January 2004.

[RFC6020] Bjorklund, M., "YANG - A Data Modeling Language for the Network Configuration Protocol (NETCONF)", RFC 6020, October 2010.

[RFC7223] Bjorklund, M., "A YANG Data Model for Interface Management", RFC 7223, May 2014.

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