## Definitions of Textual Conventions and OBJECT-IDENTITIES for ATM Management

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Abstract

This memo describes Textual Conventions and OBJECT-IDENTITIES used for managing ATM-based interfaces, devices, networks and services.

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#### 2. Introduction

This memo describes Textual Conventions and OBJECT-IDENTITIES used for managing ATM-based interfaces, devices, networks and services.

When designing a MIB module, it is often useful to define new types similar to those defined in the SMI. In comparison to a type defined in the SMI, each of these new types has a different name, a similar syntax, but a more precise semantics. These newly defined types are termed textual conventions, and are used for the convenience of humans reading the MIB module. This is done through Textual Conventions as defined in <u>RFC1903[1]</u>. It is the purpose of this document to define the set of textual conventions available to ATM MIB modules.

When designing MIB modules, it is also often useful to register further properties with object identifier assignments so that they can be further used by other MIB modules. This is done through the OBJECT-IDENTITY macro defined in <u>RFC1902[2]</u>. This document defines OBJECT-IDENTITIES available to ATM MIB modules.

Note that for organizational purposes OBJECT IDENTITIES previously defined in <u>RFC1695</u> have been moved to this specification and no longer appear in the revision of <u>RFC1695[3]</u>. However, the original OBJECT IDENTIFIERs have been preserved.

For an introduction to the concepts of ATM connections, see  $[\underline{3}]$ .

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ATM-TC-MIB DEFINITIONS ::= BEGIN

```
3. Definitions
```

IMPORTS MODULE-IDENTITY, OBJECT-IDENTITY, TimeTicks, mib-2 FROM SNMPv2-SMI **TEXTUAL-CONVENTION** FROM SNMPv2-TC; atmTCMIB MODULE-IDENTITY LAST-UPDATED "9810190200Z" ORGANIZATION "IETF ATOMMIB Working Group" CONTACT-INFO п Michael Noto Postal: Network Equipment Technologies 800 Saginaw Drive RM 21.1.111 Redwood City, CA 94063 USA +1 415 569-7134 Tel: E-mail: mike\_noto@net.com Ethan Mickey Spiegel Postal: Cisco Systems 170 W. Tasman Dr. San Jose, CA 95134 USA Tel: +1 408 526 6408 E-mail: mspiegel@cisco.com Kaj Tesink Postal: Bellcore 331 Newman Springs Road Red Bank, NJ 07701 USA +1 732 758 5254 Tel: Fax: +1 732 758 4177 E-mail: kaj@bellcore.com" DESCRIPTION "This MIB Module provides Textual Conventions and OBJECT-IDENTITY Objects to be used by ATM systems." ::= { mib-2 37 3 } -- atmMIB 3 (see [<u>3</u>])

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-- The Textual Conventions defined below are organized -- alphabetically AtmAddr ::= TEXTUAL-CONVENTION DISPLAY-HINT "1x" STATUS current DESCRIPTION "An ATM address. The semantics are implied by the length. The address types are: - no address (0 octets) - E.164 (8 octets) - NSAP (20 octets) In addition, when subaddresses are used the AtmAddr may represent the concatenation of address and subaddress. The associated address types are: - E.164, E.164 (16 octets) - E.164, NSAP (28 octets) - NSAP, NSAP (40 octets) Address lengths other than defined in this definition imply address types defined elsewhere. Note: The E.164 address is encoded in BCD format." SYNTAX OCTET STRING (SIZE(0..40)) AtmConnCastType ::= TEXTUAL-CONVENTION STATUS current DESCRIPTION "The type of topology of a connection (pointto-point, point-to-multipoint). In the case of point-to-multipoint, the orientation of this VPL or VCL in the connection. On a host: - p2mpRoot indicates that the host is the root of the p2mp connection. - p2mpLeaf indicates that the host is a leaf of the p2mp connection. On a switch interface: - p2mpRoot indicates that cells received by the switching fabric from the interface are from the root of the p2mp connection. - p2mpLeaf indicates that cells transmitted to the interface from the switching fabric are to the leaf of the p2mp connection." SYNTAX INTEGER { p2p(1), p2mpRoot(2),

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p2mpLeaf(3) } AtmConnKind ::= TEXTUAL-CONVENTION STATUS current DESCRIPTION "The type of call control used for an ATM connection at a particular interface. The use is as follows: pvc(1)Virtual link of a PVC. Should not be used for an PVC/SVC (i.e., Soft PVC) crossconnect. svcIncoming(2) Virtual link established after a received signaling request to setup an SVC. svcOutgoing(3) Virtual link established after a transmitted or forwarded signaling request to setup an SVC. spvcInitiator(4) Virtual link at the PVC side of an SVC/PVC crossconnect, where the switch is the initiator of the Soft PVC setup. spvcTarget(5) Virtual link at the PVC side of an SVC/PVC crossconnect, where the switch is the target of the Soft PVC setup. For PVCs, a pvc virtual link is always crossconnected to a pvc virtual link. For SVCs, an svcIncoming virtual link is always crossconnected to an svcOutgoing virtual link. For Soft PVCs, an spvcInitiator is either cross-connected to an svcOutgoing or an spvcTarget, and an spvcTarget is either cross-connected to an svcIncoming or an spvcInitiator." SYNTAX INTEGER { pvc(1),svcIncoming(2), svcOutgoing(3),

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spvcInitiator(4),
           spvcTarget(5)
           }
    AtmIlmiNetworkPrefix ::= TEXTUAL-CONVENTION
        STATUS
                 current
        DESCRIPTION
            "A network prefix used for ILMI address
            registration. In the case of ATM endsystem
            addresses (AESAs), the network prefix is the first
            13 octets of the address which includes the AFI,
            IDI, and HO-DSP fields. In the case of native
            E.164 addresses, the network prefix is the entire
            E.164 address encoded in 8 octets, as if it were
            an E.164 IDP in an ATM endsystem address
            structure."
        REFERENCE
            "ATM Forum, Integrated Local Management Interface
               (ILMI) Specification, Version 4.0,
               af-ilmi-0065.000, September 1996, Section 9
             ATM Forum, ATM User-Network Interface Signalling
               Specification, Version 4.0 (UNI 4.0),
               af-sig-0061.000, June 1996, Section 3"
        SYNTAX
                OCTET STRING (SIZE(8|13))
AtmInterfaceType ::= TEXTUAL-CONVENTION
        STATUS
                     current
        DESCRIPTION
            "The connection setup procedures used for the
            identified interface.
            Other: Connection setup procedures other than
               those listed below.
            Auto-configuration:
               Indicates that the connection setup
               procedures are to be determined dynamically,
               or that determination has not yet been
               completed. One such mechanism is via ATM
               Forum ILMI auto-configuration procedures.
            ITU-T DSS2:
              ITU-T Recommendation Q.2931, Broadband
               Integrated Service Digital Network (B-ISDN)
               Digital Subscriber Signalling System No.2
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(DSS2) User-Network Interface (UNI) Layer 3 Specification for Basic Call/Connection Control (September 1994)

- ITU-T Draft Recommendation Q.2961, B-ISDN DSS 2 Support of Additional Traffic Parameters (May 1995)

- ITU-T Draft Recommendation Q.2971, B-ISDN DSS 2 User Network Interface Layer 3 Specification for Point-to-multipoint Call/connection Control (May 1995)

ATM Forum UNI 3.0: ATM Forum, ATM User-Network Interface, Version 3.0 (UNI 3.0) Specification, (1994).

ATM Forum UNI 3.1: ATM Forum, ATM User-Network Interface, Version 3.1 (UNI 3.1) Specification, (November 1994).

ATM Forum UNI Signalling 4.0: ATM Forum, ATM User-Network Interface (UNI) Signalling Specification Version 4.0, af-sig-0061.000 (June 1996).

ATM Forum IISP (based on UNI 3.0 or UNI 3.1) :
 Interim Inter-switch Signaling Protocol
 (IISP) Specification, Version 1.0,
 af-pnni-0026.000, (December 1994).

ATM Forum PNNI 1.0 : ATM Forum, Private Network-Network Interface Specification, Version 1.0, af-pnni-0055.000, (March 1996).

ATM Forum B-ICI: ATM Forum, B-ICI Specification, Version 2.0, af-bici-0013.002, (November 1995).

ATM Forum UNI PVC Only: An ATM Forum compliant UNI with the signalling disabled.

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ATM Forum NNI PVC Only:
               An ATM Forum compliant NNI with the
               signalling disabled."
        SYNTAX INTEGER {
                  other(1),
                  autoConfig(2),
                  ituDss2(3),
                  atmfUni3Dot0(4),
                  atmfUni3Dot1(5),
                  atmfUni4Dot0(6),
                  atmfIispUni3Dot0(7),
                  atmfIispUni3Dot1(8),
                  atmfIispUni4Dot0(9),
                  atmfPnni1Dot0(10),
                  atmfBici2Dot0(11),
                  atmfUniPvcOnly(12),
                  atmfNniPvcOnly(13) }
AtmServiceCategory ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
            "The service category for a connection."
        REFERENCE
            "ATM Forum Traffic Management Specification,
            Version 4.0, af-tm-0056.000, June 1996."
                INTEGER {
        SYNTAX
           other(1), -- none of the following
                      -- constant bit rate
           cbr(2),
           rtVbr(3), -- real-time variable bit rate
           nrtVbr(4), -- non real-time variable bit rate
                      -- available bit rate
           abr(5),
           ubr(6)
                      -- unspecified bit rate
           }
AtmSigDescrParamIndex ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
            "The value of this object identifies a row in the
            atmSigDescrParamTable. The value 0 signifies that
            none of the signalling parameters defined in the
            atmSigDescrParamTable are applicable."
        SYNTAX INTEGER (0..2147483647)
AtmTrafficDescrParamIndex ::= TEXTUAL-CONVENTION
        STATUS current
```

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```
DESCRIPTION
            "The value of this object identifies a row in the
            atmTrafficDescrParamTable. The value 0 signifies
            that no row has been identified."
        SYNTAX INTEGER (0..2147483647)
AtmVcIdentifier ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
            "The VCI value for a VCL. The maximum VCI value
            cannot exceed the value allowable by
            atmInterfaceMaxVciBits defined in ATM-MIB."
        SYNTAX
                 INTEGER (0..65535)
AtmVpIdentifier ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
            "The VPI value for a VPL or VCL. The value VPI=0
            is only allowed for a VCL. For ATM UNIs supporting
            VPCs the VPI value ranges from 0 to 255. The VPI
            value 0 is supported for ATM UNIs conforming to
            the ATM Forum UNI 4.0 Annex 8 (Virtual UNIs)
            specification. For ATM UNIs supporting VCCs the
            VPI value ranges from 0 to 255. For ATM NNIs the
            VPI value ranges from 0 to 4095. The maximum VPI
            value cannot exceed the value allowable by
            atmInterfaceMaxVpiBits defined in ATM-MIB."
        SYNTAX
                  INTEGER (0..4095)
AtmVorXAdminStatus ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
            "The value determines the desired administrative
            status of a virtual link or cross-connect. The up
            and down states indicate that the traffic flow is
            enabled or disabled respectively on the virtual
            link or cross-connect."
        SYNTAX
                INTEGER {
           up(1),
           down(2)
            }
AtmVorXLastChange ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
```

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```
"The value of MIB II's sysUpTime at the time a
            virtual link or cross-connect entered its current
            operational state. If the current state was
            entered prior to the last re-initialization of the
            agent then this object contains a zero value."
        SYNTAX
                 TimeTicks
AtmVorXOperStatus ::= TEXTUAL-CONVENTION
        STATUS current
        DESCRIPTION
            "The value determines the operational status of a
            virtual link or cross-connect. The up and down
            states indicate that the traffic flow is enabled
            or disabled respectively on the virtual link or
            cross-connect. The unknown state indicates that
            the state of it cannot be determined. The state
            will be down or unknown if the supporting ATM
            interface(s) is down or unknown respectively."
                 INTEGER {
        SYNTAX
           up(1),
           down(2),
           unknown(3)
           }
-- OBJECT-IDENTITIES:
-- The following atmTrafficDescriptorTypes has been moved
-- from <u>RFC1695</u> and no longer appear in the revision of
-- <u>RFC1695[3</u>].
atmTrafficDescriptorTypes OBJECT IDENTIFIER ::= {mib-2 37 1 1}
                                             -- atmMIBObjects
                                             -- See [3].
-- All other and new OBJECT IDENTITIES
-- are defined under the following subtree:
```

atmObjectIdentities OBJECT IDENTIFIER ::= {atmTCMIB 1}

- -- The following values are defined for use as
- -- possible values of the ATM traffic descriptor type.

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```
atmNoTrafficDescriptor OBJECT-IDENTITY
    STATUS deprecated
    DESCRIPTION
        "This identifies the no ATM traffic
        descriptor type. Parameters 1, 2, 3, 4,
        and 5 are not used. This traffic descriptor
        type can be used for best effort traffic."
    ::= {atmTrafficDescriptorTypes 1}
atmNoClpNoScr OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for no CLP
        and no Sustained Cell Rate. The use of the
        parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: not used
        Parameter 3: not used
        Parameter 4: not used
        Parameter 5: not used."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
        ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994."
    ::= {atmTrafficDescriptorTypes 2}
atmClpNoTaggingNoScr OBJECT-IDENTITY
    STATUS deprecated
    DESCRIPTION
        "This traffic descriptor is for CLP without
        tagging and no Sustained Cell Rate. The use
        of the parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: peak cell rate in cells/second
                     for CLP=0 traffic
        Parameter 3: not used
        Parameter 4: not used
        Parameter 5: not used."
    ::= {atmTrafficDescriptorTypes 3}
```

atmClpTaggingNoScr OBJECT-IDENTITY

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```
STATUS deprecated
    DESCRIPTION
        "This traffic descriptor is for CLP with
        tagging and no Sustained Cell Rate. The use
        of the parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: peak cell rate in cells/second
                     for CLP=0 traffic, excess
                     tagged as CLP=1
        Parameter 3: not used
        Parameter 4: not used
        Parameter 5: not used."
    ::= {atmTrafficDescriptorTypes 4}
atmNoClpScr OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for no CLP
        with Sustained Cell Rate. The use of the
        parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: sustainable cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 3: maximum burst size in cells
        Parameter 4: not used
        Parameter 5: not used."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
        ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994."
    ::= {atmTrafficDescriptorTypes 5}
atmClpNoTaggingScr OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for CLP with
        Sustained Cell Rate and no tagging. The use
        of the parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: sustainable cell rate in cells/second
```

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```
for CLP=0 traffic
        Parameter 3: maximum burst size in cells
        Parameter 4: not used
        Parameter 5: not used."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
         ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994."
    ::= {atmTrafficDescriptorTypes 6}
atmClpTaggingScr OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for CLP with
        tagging and Sustained Cell Rate. The use of
        the parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: sustainable cell rate in cells/second
                     for CLP=0 traffic, excess tagged as
                     CLP=1
        Parameter 3: maximum burst size in cells
        Parameter 4: not used
        Parameter 5: not used."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
         ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994."
    ::= {atmTrafficDescriptorTypes 7}
atmClpNoTaggingMcr OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for CLP with
        Minimum Cell Rate and no tagging. The use of
        the parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: CDVT in tenths of microseconds
        Parameter 3: minimum cell rate in cells/second
        Parameter 4: unused
```

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```
Parameter 5: unused."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
         ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994."
    ::= {atmTrafficDescriptorTypes 8}
atmClpTransparentNoScr OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for the CLP-
        transparent model and no Sustained Cell Rate.
        The use of the parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: CDVT in tenths of microseconds
        Parameter 3: not used
        Parameter 4: not used
        Parameter 5: not used.
        This traffic descriptor type is applicable to
        connections following the CBR.1 conformance
        definition.
        Connections specifying this traffic descriptor
        type will be rejected at UNI 3.0 or UNI 3.1
        interfaces. For a similar traffic descriptor
        type that can be accepted at UNI 3.0 and
        UNI 3.1 interfaces, see atmNoClpNoScr."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
         ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994.
         ATM Forum, Traffic Management Specification,
           Version 4.0, af-tm-0056.000, June 1996."
    ::= {atmTrafficDescriptorTypes 9}
atmClpTransparentScr OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for the CLP-
```

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```
transparent model with Sustained Cell Rate.
        The use of the parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: sustainable cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 3: maximum burst size in cells
        Parameter 4: CDVT in tenths of microseconds
        Parameter 5: not used.
        This traffic descriptor type is applicable to
        connections following the VBR.1 conformance
        definition.
        Connections specifying this traffic descriptor
        type will be rejected at UNI 3.0 or UNI 3.1
        interfaces. For a similar traffic descriptor
        type that can be accepted at UNI 3.0 and
        UNI 3.1 interfaces, see atmNoClpScr."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
         ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994.
        ATM Forum, Traffic Management Specification,
           Version 4.0, af-tm-0056.000, June 1996."
    ::= {atmTrafficDescriptorTypes 10}
atmNoClpTaggingNoScr OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for no CLP
        with tagging and no Sustained Cell Rate. The
        use of the parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: CDVT in tenths of microseconds
        Parameter 3: not used
        Parameter 4: not used
        Parameter 5: not used.
        This traffic descriptor type is applicable to
        connections following the UBR.2 conformance
```

definition ."

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```
REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
         ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994.
         ATM Forum, Traffic Management Specification,
           Version 4.0, af-tm-0056.000, June 1996."
    ::= {atmTrafficDescriptorTypes 11}
atmNoClpNoScrCdvt OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for no CLP
        and no Sustained Cell Rate. The use of the
        parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: CDVT in tenths of microseconds
        Parameter 3: not used
        Parameter 4: not used
        Parameter 5: not used.
        This traffic descriptor type is applicable to
        CBR connections following the UNI 3.0/3.1
        conformance definition for PCR CLP=0+1.
        These CBR connections differ from CBR.1
        connections in that the CLR objective
        applies only to the CLP=0 cell flow.
        This traffic descriptor type is also
        applicable to connections following the UBR.1
        conformance definition."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
         ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994.
         ATM Forum, Traffic Management Specification,
           Version 4.0, af-tm-0056.000, June 1996."
    ::= {atmTrafficDescriptorTypes 12}
atmNoClpScrCdvt OBJECT-IDENTITY
    STATUS current
```

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```
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```

```
DESCRIPTION
        "This traffic descriptor type is for no CLP
        with Sustained Cell Rate. The use of the
        parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: sustainable cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 3: maximum burst size in cells
        Parameter 4: CDVT in tenths of microseconds
        Parameter 5: not used.
        This traffic descriptor type is applicable
        to VBR connections following the UNI 3.0/3.1
        conformance definition for PCR CLP=0+1 and
        SCR CLP=0+1. These VBR connections
        differ from VBR.1 connections in that
        the CLR objective applies only to the CLP=0
        cell flow."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
        ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994.
        ATM Forum, Traffic Management Specification,
           Version 4.0, af-tm-0056.000, June 1996."
    ::= {atmTrafficDescriptorTypes 13}
atmClpNoTaggingScrCdvt OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for CLP with
        Sustained Cell Rate and no tagging. The use
        of the parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: sustainable cell rate in cells/second
                     for CLP=0 traffic
        Parameter 3: maximum burst size in cells
        Parameter 4: CDVT in tenths of microseconds
        Parameter 5: not used.
```

This traffic descriptor type is applicable to connections following the VBR.2 conformance

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```
definition."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
         ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994.
         ATM Forum, Traffic Management Specification,
           Version 4.0, af-tm-0056.000, June 1996."
    ::= {atmTrafficDescriptorTypes 14}
atmClpTaggingScrCdvt OBJECT-IDENTITY
    STATUS current
    DESCRIPTION
        "This traffic descriptor type is for CLP with
        tagging and Sustained Cell Rate. The use of
        the parameter vector for this type:
        Parameter 1: peak cell rate in cells/second
                     for CLP=0+1 traffic
        Parameter 2: sustainable cell rate in cells/second
                     for CLP=0 traffic, excess tagged as
                     CLP=1
        Parameter 3: maximum burst size in cells
        Parameter 4: CDVT in tenths of microseconds
        Parameter 5: not used.
        This traffic descriptor type is applicable to
        connections following the VBR.3 conformance
        definition."
    REFERENCE
        "ATM Forum, ATM User-Network Interface,
           Version 3.0 (UNI 3.0) Specification, 1994.
         ATM Forum, ATM User-Network Interface,
           Version 3.1 (UNI 3.1) Specification,
           November 1994.
         ATM Forum, Traffic Management Specification,
           Version 4.0, af-tm-0056.000, June 1996."
    ::= {atmTrafficDescriptorTypes 15}
```

END

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## <u>4</u>. Acknowledgments

This document is a product of the ATOMMIB Working Group.

### 5. References

draft

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- [2] Case, J., McCloghrie, K., Rose, M., and S. Waldbusser, "Structure of Management Information for Version 2 of the Simple Network Management Protocol (SNMPv2)", <u>RFC1902</u>, SNMP Research, Inc., Cisco Systems, Inc., Dover Beach Consulting, Inc., International Network Services, January 1996.
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### 6. Security Considerations

This memo defines textual conventions and object identities for use in ATM MIB modules. Security issues for these MIB modules are addressed in the memos defining those modules.

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