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AMENDMENT 1
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**Intelligent transport systems —
Communications access for land
mobiles (CALM) — IPv6 Networking**

AMENDMENT 1

*Systèmes intelligents de transport — Accès aux communications des
services mobiles terrestres (CALM) — Gestion de réseau IPv6*

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Annex A

Insert the following new normative annex before the Bibliography

Annex A (normative)

ASN.1 modules

A.1 Overview

The following ASN.1 module is specified in this annex:

— ITSipv6 {iso(1) standard(0) its-ipv6(21210) asnm-1 (1)}

A.2 Module ITSipv6

This module specifies ASN.1 type definitions together with useful ASN.1 value definitions.

Unaligned packed encoding rules (PER) as specified in ISO/IEC 8825-2 shall be applied for this ASN.1 module.

In order to achieve octet alignment enabling cheap implementations, “fill” bits were defined. All fill bits shall be set to the value '0'b.

```
ITSipv6 {iso(1) standard(0) its-ipv6(21210) asnm-1 (1)}
DEFINITIONS AUTOMATIC TAGS ::= BEGIN
```

```
IMPORTS
```

```
Link-ID, Cistatus, UserPriority FROM CALMllsap {iso(1) standard(0) calm-ll-sap(21218)
asnm-1 (1)}
```

```
IpAddressInfo FROM CALMfsap { iso (1) standard (0) calm-management (24102) fsap (5) asnm-1
(1)}
```

```
TransportAddressType, TransportAddress FROM TRANSPORT-ADDRESS-MIB;
```

```
- It needs to be checked whether this ASN.1 module is the correct one.
```

```
- End of IMPORTS
```

```
DeleteIPv6 ::= SEQUENCE { -- used in 24102
    reference      IPtableRef
}
```

```
DeleteNotIPv6 ::= SEQUENCE { -- used in 24102
    reference      IPtableRef
}
```

```
SetConfIPv6 ::= SEQUENCE { -- used in 24102
    reference      IPtableRef
}
```

```
IPtableRef ::= INTEGER(0..65535)
```

```

SetIPv6::=SEQUENCE{ -- used in 24102
    reference      IPtableRef,
    remoteIP       IPAddressInfo,
    ciid           Link-ID,
    ciStatus       CStatus,
    localIP        IPAddressInfo,
    priority       UserPriority,
    timeout        IPv6timeout
}

SetNotIPv6::=SEQUENCE -- used in 24102
{
    reference      IPtableRef,
    remoteIP       IPAddressInfo,
    ciid           Link-ID,
    ciStatus       CStatus,
    localIP        IPAddressInfo,
    priority       UserPriority,
    timeout        IPv6timeout
}

UpdateIPv6::=SEQUENCE{ -- used in 24102
    fill          [0] BIT STRING (SIZE(2)),
    reference      [1] INTEGER(0..65535),
    remoteIP       [2] IPAddressInfo OPTIONAL,
    ciid           [3] Link-ID OPTIONAL,
    ciStatus       [4] CStatus OPTIONAL,
    localIP        [5] IPAddressInfo OPTIONAL,
    priority       [6] UserPriority OPTIONAL,
    timeout        [7] IPv6timeout OPTIONAL
}

UpdateNotIPv6::=SEQUENCE{ -- used in 24102
    fill          [0] BIT STRING (SIZE(2)),
    reference      [1] INTEGER(0..65535),
    remoteIP       [2] IPAddressInfo OPTIONAL,
    ciid           [3] Link-ID OPTIONAL,
    ciStatus       [4] CStatus OPTIONAL,
    localIP        [5] IPAddressInfo OPTIONAL,
    priority       [6] UserPriority OPTIONAL,
    timeout        [7] IPv6timeout OPTIONAL
}

IPv6timeout::=INTEGER(0..65535). -- Used in IPv6 forwarding tables; in ms

-- values

version INTEGER(0..255)::=1 -- Version of this ASN.1 module

END

```