

**Superseded by a later version of this document.**

**PacketCable™**

## **RST E-UE Provisioning Specification**

**PKT-SP-RST-EUE-PROV-I07-120412**

**ISSUED**

### **Notice**

This PacketCable™ specification is the result of a cooperative effort undertaken at the direction of Cable Television Laboratories, Inc. for the benefit of the cable industry and its customers. This document may contain references to other documents not owned or controlled by CableLabs. Use and understanding of this document may require access to such other documents. Designing, manufacturing, distributing, using, selling, or servicing products, or providing services, based on this document may require intellectual property licenses from third parties for technology referenced in this document.

Neither CableLabs nor any member company is responsible to any party for any liability of any nature whatsoever resulting from or arising out of use or reliance upon this document, or any document referenced herein. This document is furnished on an "AS IS" basis and neither CableLabs nor its members provides any representation or warranty, express or implied, regarding the accuracy, completeness, noninfringement, or fitness for a particular purpose of this document, or any document referenced herein.

© 2007-2012 Cable Television Laboratories, Inc.  
All rights reserved.

## Document Status Sheet

<b>Document Control Number</b>	PKT-SP-RST-EUE-PROV-I07-120412			
<b>Document Title</b>	RST E-UE Provisioning Specification			
<b>Revision History</b>	I01 - Released 06/11/07 I02 - Released 07/10/08 I03 - Released 05/28/09 I04 - Released 01/20/10 I05 - Released 05/27/10 I06 - Released 01/27/2011 I07 - Released 04/12/2012			
<b>Date</b>	April 12, 2012			
<b>Status</b>	<del>Work in Progress</del>	<del>Draft</del>	Issued	<del>Closed</del>
<b>Distribution Restrictions</b>	<del>Author Only</del>	<del>CL/Member</del>	CL/Member/ Vendor	Public

### Key to Document Status Codes

- Work in Progress**      An incomplete document, designed to guide discussion and generate feedback that may include several alternative requirements for consideration.
  
- Draft**                      A document in specification format considered largely complete, but lacking review by Members and vendors. Drafts are susceptible to substantial change during the review process.
  
- Issued**                      A stable document, which has undergone rigorous member and vendor review and is suitable for product design and development, cross-vendor interoperability, and for certification testing.
  
- Closed**                      A static document, reviewed, tested, validated, and closed to further engineering change requests to the specification through CableLabs.

### Trademarks

CableCARD™, CableHome®, CableLabs®, CableNET®, CableOffice™, CablePC™, DCAS™, DOCSIS®, DPoE™, EBIF™, eDOCSIS™, EuroDOCSIS™, EuroPacketCable™, Go2Broadband<sup>SM</sup>, M-Card™, M-CMTS™, OCAP™, OpenCable™, PacketCable™, PCMM™, PeerConnect™, and tru2way® are marks of Cable Television Laboratories, Inc. All other marks are the property of their respective owners

# Contents

<b>1</b>	<b>SCOPE</b> .....	<b>1</b>
1.1	Introduction and Purpose.....	1
1.2	Document Overview.....	1
1.3	Requirements.....	1
<b>2</b>	<b>REFERENCES</b> .....	<b>2</b>
2.1	Normative References.....	2
2.2	Informative References.....	2
2.3	Reference Acquisition.....	2
<b>3</b>	<b>TERMS AND DEFINITIONS</b> .....	<b>3</b>
<b>4</b>	<b>ABBREVIATIONS AND ACRONYMS</b> .....	<b>4</b>
<b>5</b>	<b>OVERVIEW</b> .....	<b>5</b>
5.1	Residential SIP Telephony.....	5
5.2	E-UE Provisioning Framework.....	5
5.3	RST E-UE.....	5
<b>6</b>	<b>PACKETCABLE RST E-UE ARCHITECTURE AND REQUIREMENTS</b> .....	<b>6</b>
6.1	eUE Provisioning Framework Architecture.....	6
6.2	RST E-UE Provisioning Components.....	6
6.2.1	<i>RST E-UE</i> .....	6
6.2.2	<i>E-DVA Requirements</i> .....	7
6.2.3	<i>Other Network Components</i> .....	9
6.3	RST E-UE Provisioning Flows, Configuration and Management.....	9
6.4	RST Data Models.....	9
6.4.1	<i>Operator Specific Features</i> .....	9
6.5	RST E-UE Additional Features.....	10
6.5.1	<i>eDOCSIS Impact Analysis Reporting</i> .....	10
6.5.2	<i>Incremental Provisioning</i> .....	10
6.5.3	<i>User Registration and Configuration</i> .....	10
6.5.4	<i>RST eUE Capabilities</i> .....	10
<b>ANNEX A</b>	<b>PACKETCABLE RST CONFIGURATION MODULES</b> .....	<b>11</b>
A.1	E-UE RST MIB.....	11
<b>ANNEX B</b>	<b>PACKETCABLE EDVA CONFIGURATION MODULE</b> .....	<b>68</b>
B.1	E-DVA MIB.....	68
<b>APPENDIX I</b>	<b>ACKNOWLEDGEMENTS</b> .....	<b>83</b>
<b>APPENDIX II</b>	<b>REVISION HISTORY</b> .....	<b>84</b>

## Figures

Figure 1 - E-UE Provisioning Components and Interfaces.....6

## Tables

Table 1 - Operator Specific Features Data Configuration in pktcEUEERSTAppProfileToFeatTable.....9

# 1 SCOPE

## 1.1 Introduction and Purpose

This document specifies how the PacketCable E-UE Provisioning Framework can be used to configure and manage Embedded 2.0 UEs (E-UEs) supporting the PacketCable Residential SIP Telephony (RST) application.

The PacketCable architecture provides a generic Provisioning Framework for E-UEs, but requires PacketCable application efforts such as RST to specify application-specific requirements and data models. This document specifies such requirements and the data model for the PacketCable RST application. It also specifies the requirements and a data model for E-DVAs, a specific E-UE type specified by PacketCable.

## 1.2 Document Overview

The document is structured as follows:

- Section 2 – References.
- Section 3 – Terms and Definitions.
- Section 4 – Abbreviations.
- Section 5 – Informative section providing a general overview of RST E-UE Provisioning.
- Section 6 – Normative section providing the RST E-UE Provisioning requirements.
- Annex A – RST E-UE Provisioning Data Model (normative).
- Annex B – RST E-DVA Provisioning Data Model (normative).

## 1.3 Requirements

Throughout this document, the words that are used to define the significance of particular requirements are capitalized. These words are:

"MUST"	This word means that the item is an absolute requirement of this specification.
"MUST NOT"	This phrase means that the item is an absolute prohibition of this specification.
"SHOULD"	This word means that there may exist valid reasons in particular circumstances to ignore this item, but the full implications should be understood and the case carefully weighed before choosing a different course.
"SHOULD NOT"	This phrase means that there may exist valid reasons in particular circumstances when the listed behavior is acceptable or even useful, but the full implications should be understood and the case carefully weighed before implementing any behavior described with this label.
"MAY"	This word means that this item is truly optional. One vendor may choose to include the item because a particular marketplace requires it or because it enhances the product, for example; another vendor may omit the same item.

## 2 REFERENCES

### 2.1 Normative References

In order to claim compliance with this specification, it is necessary to conform to the following standards and other works as indicated, in addition to the other requirements of this specification. Notwithstanding, intellectual property rights may be required to use or implement such normative references.

- [E-DVA] PacketCable Residential SIP Telephony E-DVA Specification, PKT-SP-RST-E-DVA-I09-110825, August 25, 2011, Cable Television Laboratories, Inc.
- [EUE-DATA] PacketCable E-UE Provisioning Data Models Specification, PKT-SP-EUE-DATA-I07-110825, August 25, 2011, Cable Television Laboratories, Inc.
- [EUE-PROV] PacketCable E-UE Provisioning Specification, PKT-SP-EUE-PROV-I07-110825, August 25, 2011, Cable Television Laboratories, Inc.
- [PKT-24.229] PacketCable SIP and SDP Stage 3 Specification 3GPP TS 24.229, PKT-SP-24.229-I07-110825, August 25, 2011, Cable Television Laboratories, Inc.
- [PKT-PROV1.5] PacketCable 1.5 Specification, MTA Device Provisioning, PKT-SP-PROV1.5-I04-090624, June 24, 2009, Cable Television Laboratories, Inc.
- [RSTF] PacketCable Residential SIP Telephony Feature Specification, PKT-SP-RSTF-I09-120412, April 12, 2012, Cable Television Laboratories, Inc.
- [RFC 2863] IETF RFC 2863, The Interfaces Group MIB, June 2000.

### 2.2 Informative References

This specification uses the following informative reference.

- [ARCH-FRM] PacketCable Architecture Framework Technical Report, PKT-TR-ARCH-FRM-V06-090528, May 28, 2009, Cable Television Laboratories, Inc.

### 2.3 Reference Acquisition

- Cable Television Laboratories, Inc., 858 Coal Creek Circle, Louisville, CO 80027; Phone +1-303-661-9100; Fax +1-303-661-9199; <http://www.cablelabs.com>.
- Internet Engineering Task Force (IETF) Secretariat, 48377 Fremont Blvd., Suite 117, Fremont, California 94538, USA, Phone: +1-510-492-4080, Fax: +1-510-492-4001, <http://www.ietf.org>.

### 3 TERMS AND DEFINITIONS

This specification uses the following terms:

<b>Cable Modem</b>	A DOCSIS-compliant device which provides data transport connectivity from RFI to IP networks.
<b>Configuration</b>	Configuration is the process of defining and propagating data to network elements for providing services.
<b>Data Model</b>	An abstract model that describes representation of data in a system.
<b>eCM</b>	The logical DOCSIS CM component of a E-UE, complies with DOCSIS, eDOCSIS and PacketCable requirements.
<b>Embedded User Equipment</b>	Contains the interface to a physical voice device, a network interface, CODECs, and all signaling and encapsulation functions required for VoIP transport, class features signaling, and QoS signaling.
<b>eUE</b>	The logical PacketCable UE component of an E-UE, complies with eSAFE and PacketCable requirements.
<b>E-UE</b>	Embedded User Equipment. A single physical device embedded with an eDOCSIS-compliant DOCSIS Cable Modem and a PacketCable eUE.
<b>Management</b>	Management refers to the protocols, methodologies and interfaces that enable oversight services in a Service Provider Network.
<b>Management Information Base</b>	The description of the data items used by the Network Management for management and configuration of the PacketCable compliant E-UE. Such description is done based on the formal meta-language SMI defined by the corresponding IETF standards.
<b>Network Management</b>	The functions related to the management of data across the network.
<b>Provisioning</b>	Provisioning refers to the processes involved in the initialization of user attributes and resources to provide services to a User. This involves protocols, methodologies, and interfaces to network elements such as: Order Entry and Workflow Systems that carry out business processes, Operational Support Elements that handle network resources, Application Servers that offer services and Use Equipment that offer services.
<b>Request for Comments</b>	Request for Comments. Technical policy documents approved by the IETF, which are available on the World Wide Web at <a href="http://www.ietf.cnri.reston.va.us/rfc.html">http://www.ietf.cnri.reston.va.us/rfc.html</a> .

## 4 ABBREVIATIONS AND ACRONYMS

This specification uses the following abbreviations:

<b>CM</b>	Cable Modem.
<b>DOCSIS®</b>	Data-Over-Cable Service Interface Specifications
<b>E-DVA</b>	Embedded Digital Voice Adaptor
<b>MIB</b>	Management Information Base
<b>RFC</b>	Request for Comments
<b>RFI</b>	Radio Frequency Interface
<b>RST</b>	Residential SIP Telephony
<b>SNMP</b>	Simple Network Management Protocol

## 5 OVERVIEW

PacketCable is a CableLabs specification effort designed to support the convergence of voice, video, data, and mobility technologies. The PacketCable architecture describes a set of functional groups and logical entities, as well as a set of interfaces that support the information flows exchanged between entities. For more information about PacketCable, please refer to the PacketCable Architecture Framework Technical Report [ARCH-FRM].

As part of these efforts, PacketCable specifies applications built upon the PacketCable architecture. One such application is RST. This document describes the configuration and management requirements applicable to Embedded User Equipment (E-UE) supporting the RST application. Within the context of this document, any reference to an E-UE (or eUE) needs to be interpreted as an E-UE (or eUE) that supports the RST application, sometimes referred to as an RST E-UE. For more information on the RST application, please refer to [RSTF].

Specifically, this document covers the following areas:

- Configuration and Management requirements for E-UEs supporting RST, including E-DVA specific requirements,
- The RST Application Data Model,
- The E-DVA Data Model for Configuration and Management.

### 5.1 Residential SIP Telephony

The PacketCable RST Feature specification documents an implementation of common residential telephony features in a PacketCable network, including, but not limited to: called ID, call forwarding, hold, transfer, three-way calling, emergency calling, and operator service. For more information, please refer to [RSTF].

### 5.2 E-UE Provisioning Framework

The PacketCable E-UE Provisioning Framework Specification [EUE-PROV], together with the E-UE Provisioning Data Models Specification [EUE-DATA], documents interfaces, protocols, and data models to support configuration and management of E-UEs in a PacketCable network. Those documents require PacketCable application specifications, such as RST, to utilize these interfaces and extend the data models as required to support the specified features.

### 5.3 RST E-UE

The E-UE, by definition, is an embedded PacketCable device, as specified in [EUE-PROV]. The RST E-UE is an E-UE that supports the PacketCable RST application. RST E-UEs require RST specific data to be configured and have additional requirements, as specified in this document.

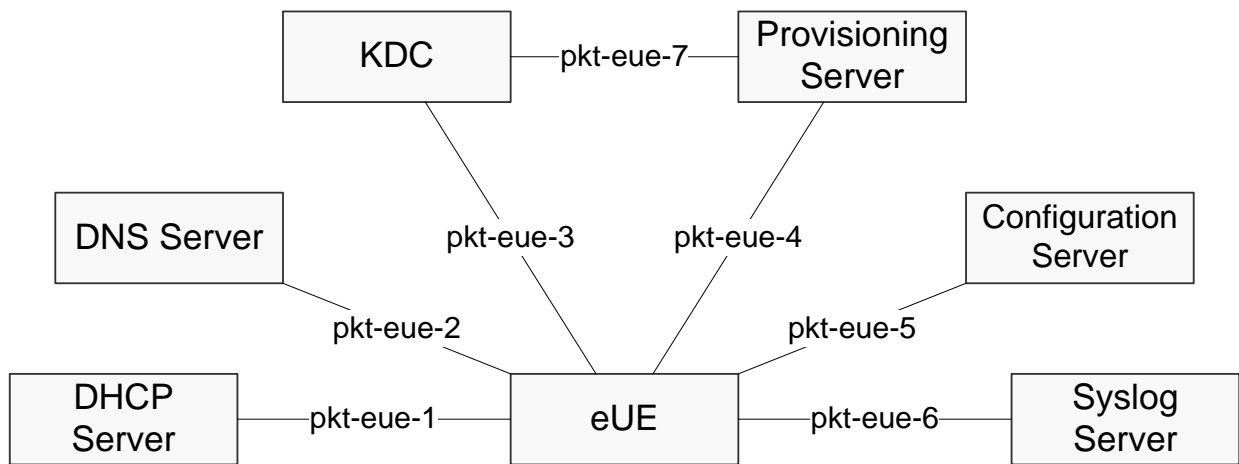
## 6 PACKETCABLE RST E-UE ARCHITECTURE AND REQUIREMENTS

This section presents the normative requirements for RST E-UE Provisioning, using the PacketCable E-UE Provisioning Framework. It includes references to the framework and any necessary enhancements to support the RST application. For more information on PacketCable E-UE Provisioning Framework please refer to [EUE-PROV].

The E-UE consists of two components: the eCM and the eUE. For more information on the eCM configuration and management requirements for PacketCable, please refer to [EUE-PROV]. The eUE Provisioning Framework Architecture, based on the Provisioning Framework, is specified in Section 6.1. The component requirements and other enhancements are listed in the following sub-sections.

### 6.1 eUE Provisioning Framework Architecture

Figure 1 represents the network components and interfaces that form the eUE Provisioning Framework, the basis for RST eUE provisioning.



*Figure 1 - E-UE Provisioning Components and Interfaces*

### 6.2 RST E-UE Provisioning Components

This section details the network components that utilize the interfaces specified in Section 6.1, and the associated requirements. It also summarizes the additional requirements required by this framework for the DOCSIS elements to support the framework specified by this document.

#### 6.2.1 RST E-UE

The RST E-UE MUST comply with all the E-UE requirements specified in [EUE-PROV].

##### 6.2.1.1 eCM

An eCM embedded within the RST E-UE MUST comply with all the eCM requirements specified in [EUE-PROV] and any additional requirements specified in this document, such as impact analysis reporting.

### 6.2.1.2 eUE

For an eUE embedded within the RST E-UE, the following requirements apply:

- The eUE MUST support all the RST Feature requirements described in [RSTF].
- The eUE MUST adhere to all requirements described in [EUE-PROV].
- The eUE MUST comply with the requirements of the E-UE Provisioning Data Models Specification [EUE-DATA], and the RST data model specified in this document.

## 6.2.2 E-DVA Requirements

An Embedded Digital Voice Adapter (E-DVA) is an RST E-UE that conforms to the requirements specified in [E-DVA]. The following requirements apply:

- An E-DVA MUST comply with all the RST E-UE provisioning requirements specified in this document, and additional requirements specified in this document.
- An E-DVA MUST comply with the E-DVA data model specified in Annex B.

### 6.2.2.1 Interfaces Group MIB "ifTable" Requirements

The Interfaces Group MIB (IF-MIB) is defined in [RFC 2863] and required by [EUE-DATA]. The following E-DVA requirements apply:

- An E-DVA's ifTable MUST contain information about all of its endpoints.
- The E-DVA MUST start the endpoint numbering with a ifIndex value of 9, be incremented sequentially, and match the physical numbering of the telephony endpoints (indices 2 through 8 are reserved for future use and the usage of index 1 is described below).
- Each instance of the endpoint in an E-DVA MUST have a corresponding entry ("conceptual row") in the "ifTable" MIB Table.

Further, the E-DVA MUST use the following conceptual columns for each "conceptual row" in the "ifTable":

- "ifIndex"
- "ifDescr"
- "ifType"
- "ifAdminStatus"
- "ifOperStatus"

The E-DVA MUST also ensure that each conceptual row in "ifTable" that corresponds to a telephony endpoint conforms to the "IANAifType-MIB" definition for the PacketCable interface type, as follows:

- "ifType" – voiceOverCable (198)
- "ifDescr" – "Voice Over Cable Interface"

An ifIndex value of 1 is used to recognize the eCM which the E-DVA is logically connected. Refer to [EUE-DATA] for more information.

### 6.2.2.2 Mapping of Users to Endpoints

PacketCable allows for the configuration of MPUs on E-UEs. This is accomplished via the E-UE User MIB, specifically the MIB table 'pkteEUEUsrIMPUPTable'. For more information regarding 'pkteEUEUsrIMPUPTable' refer to [EUE-DATA]. For an E-DVA, additional information is required to specify the association of an IMPU with one or more endpoints if the E-DVA is configured with RST features. This information would allow an E-DVA to determine the endpoints that are affected when it receives an inbound request for a specific IMPU, or the IMPU to use when the end-user invokes RST features from an E-DVA endpoint.

The indicated additional information is provided using specific keyword-value pairs within the MIB Object titled 'pktcEUEUsrIMPUPAdditionalInfo'. This MIB object is part of the MIB table 'pktcEUEUsrIMPUPTable'. For the configuration of an E-DVA, the following keyword-values pairs are specified:

- IEP#:<comma-separated list of endpoints>
- OEP#:<comma-separated list of endpoints>

The keyword IEP (shortened form representing "Inbound EndPoints") indicates that an inbound request for the IMPU (for which the additional information is being provided) is to apply to one or more of the endpoints listed in the associated value. The keyword OEP (shortened form representing "Outbound EndPoints") indicates that when any of the endpoints listed in the value are used to initiate RST features (e.g., dialog-initiating requests) then the applicable IMPU (for which the additional information is being provided) is to be used.

As an example, consider an E-DVA associated with two IMPUs, sip:user1@example.com and sip:user2@example.com, with the following (partial) configuration:

- Value of the MIB object pktcEUEUsrIMPUPAdditionalInfo for sip:user 1@example.com is IEP#9,10;OEP#9
- Value of the MIB object pktcEUEUsrIMPUPAdditionalInfo for sip:user 2@example.com is IEP#10;OEP#10

The E-DVA interprets this as follows:

- Any inbound message for the IMPU sip:user1@example.com will apply to endpoints 9 and 10
- Any inbound message for the IMPU sip:user2@example.com will apply to endpoint 10
- Any outbound requests from endpoint 9 will use the IMPU sip:user1@example.com
- Any outbound requests from endpoint 10 will use the IMPU sip:user2@example.com

If one or more endpoints on an E-DVA are associated with RST features, the E-DVA needs to be configured with one or more IMPUs using the keyword-value pairs indicated in this section. If an endpoint is not associated with any IMPUs, then the E-DVA MUST NOT enable RST features on that endpoint. If an endpoint is associated with one or more IMPUs, then the E-DVA MUST support the enabled RST features on that endpoint.

If there are multiple outbound IMPUs indicated for an endpoint, then the E-DVA MUST consider the first occurrence (lowest index in the MIB table 'pktcEUEUsrIMPUPTable') as the outbound IMPU and report the additional IMPUs as part of the warnings pertaining to eUE configuration.

As an example, consider an E-DVA associated with two IMPUs, sip:user1@example.com and sip:user2@example.com, with the following (partial) configuration:

- Value of the MIB object pktcEUEUsrIMPUPAdditionalInfo for sip:user 1@example.com is IEP#9,10;OEP#9
- Value of the MIB object pktcEUEUsrIMPUPAdditionalInfo for sip:user 2@example.com is IEP#10;OEP#9

Assuming that sip:user1@example.com has a lower index value within the MIB table 'pktcEUEUsrIMPUPTable', the E-DVA interprets this as follows:

- Any inbound message for the IMPU sip:user1@example.com will apply to endpoints 9 and 10
- Any inbound message for the IMPU sip:user2@example.com will apply to endpoint 10
- Any outbound requests from endpoint 9 will use the IMPU sip:user1@example.com

### 6.2.3 Other Network Components

The following network components MUST comply with the requirements specified in [EUE-PROV]:

- DHCP Server
- DNS Server
- KDC
- Provisioning Server
- Configuration Server
- Syslog Server

In addition, the Configuration Server MUST allow for the Data Models specified in this document to RST and E-DVAs to support RST E-UEs and E-DVAs, respectively. The Syslog Server MUST support any RST specific management events specified in this document.

## 6.3 RST E-UE Provisioning Flows, Configuration and Management

Apart from the additional data models, this document does not enhance the E-UE requirements related to provisioning flows, configuration, and management, as specified in [EUE-PROV].

## 6.4 RST Data Models

This document specifies two data models, the RST Data Model in Annex A, and the E-DVA Data Model in Annex B. Further, the RST Data Model provides an RST Profile Table, as required by [EUE-DATA].

### 6.4.1 Operator Specific Features

The [RSTF] specification defines a reserved area for operator specific features IDs.

As defined in [RSTF] the operator feature identifier space provides flexibility to enable custom Digit Map enforcement. The EUE MUST treat a Feature ID values in the range 100 to 200 as Operator Specific Features [RSTF].

As with other RST features, this capability is configured by creating an instance in the pktcEUERSTAppProfileToFeatTable. Table 1 provides an example for operator feature configurations of the pktcEUERSTAppProfileToFeatTable.

**Table 1 - Operator Specific Features Data Configuration in pktcEUERSTAppProfileToFeatTable**

MIB Object	Value	Observations
pktcEUERSTAppProfileIndex	n	The index associated with an application profile
pktcEUERSTAppFeatIndex	n	The index of the feature instance for this application profile
pktcEUERSTAppFeatID	ID value	A value in the range 100 to 200
pktcEUERSTAppFeatIndexRef	0	Value zero indicates no linkage with a feature extended configuration table. Operator specific features might define their own extensions outside this specification.
pktcEUERSTAppAdminStat	'active','inactive'	The operator desired operational state of the custom feature
pktcEUERSTAppAdminStatInfo	any text	Per object definition
pktcEUERSTAppOperStat	'active', 'inactive'	Per object definition
pktcEUERSTAppOperStatInfo	zero-length or any text	Not used or vendor specific.
pktcEUERSTAppStatus	RowStatus	Per object definition

## 6.5 RST E-UE Additional Features

### 6.5.1 eDOCSIS Impact Analysis Reporting

The E-UE Provisioning Framework [EUE-PROV] requires PacketCable applications to specify the impact levels and reporting requirements. For PacketCable RST, this is specified in this section.

An application supported on an endpoint is considered impacted when an endpoint is 'active'. An RST eUE MUST consider an endpoint to be 'active' if any of the following conditions are met:

- The endpoint is off-hook,
- The endpoint is initiating or terminating telephony sessions only (e.g., SIP subscriptions for call features is not considered a telephony session).

Further, the following requirements apply:

- The eCM MUST report an impact level of 'significant' for the eUE when any of the UE's endpoints are 'active.'
- The eCM MUST report an impact level of 'none' for the eUE when none of the UE's endpoints are 'active.'

### 6.5.2 Incremental Provisioning

The RST E-UE MUST support post-initialization incremental provisioning as specified in [EUE-PROV], including changes to User status and application feature activation status.

### 6.5.3 User Registration and Configuration

The eUE MUST register every active User provided via configuration, if associated with the RST application. This is required to support RST features. Refer to [PKT-24.229] for more information about registration. For more information about User configuration and activation, please refer to [EUE-DATA]. If the IMPI related information is modified, the eUE MUST follow any applicable procedures specified in [PKT-24.229].

Additionally, for each registered User, the RST eUE MUST apply RST application settings as provided via configuration, or default values.

RST Dynamic Feature Data is not specified within this document. Please refer to [RSTF] for more information.

### 6.5.4 RST eUE Capabilities

In addition to the capabilities reporting via DHCP that is specified in [EUE-PROV] the RST eUE MUST report the following RST related capabilities, per [PKT-PROV1.5], along with any indicated enhancements:

- TLV 5.11 – Supported CODECs, with the following codec additions:
  - 16: AMR
  - 17: SMV
  - 18: EVRC
  - 19: G.722
  - 20: BV32
  - 21: AMR-WB
  - 22: VMR-WB
- TLV 5.12 – Silence Suppression Support
- TLV 5.13 – Echo Cancellation Support
- TLV 5.19 – T38 Version Support
- TLV 5.20 – T38 Error Correction Support
- TLV 5.25 – V.152 Support

## Annex A PacketCable RST Configuration Modules

### A.1 E-UE RST MIB

```
CL-PKTC-EUE-RST-MIB DEFINITIONS ::= BEGIN
```

```
IMPORTS
```

```

    MODULE-IDENTITY,
    OBJECT-TYPE,
    Unsigned32,
    Integer32
        FROM SNMPv2-SMI

    OBJECT-GROUP,
    MODULE-COMPLIANCE
        FROM SNMPv2-CONF

    SnmpAdminString
        FROM SNMP-FRAMEWORK-MIB

    TEXTUAL-CONVENTION,
    TruthValue,
    RowStatus
        FROM SNMPv2-TC

    Uri
        FROM URI-TC-MIB

    pktcApplicationMibs
        FROM CLAB-DEF-MIB

    PktcEUETCAdminStatus,
    PktcEUETCOperStatus,
    PktcEUETCStatusInfo,
    PktcEUETCUsrAppIndexType
        FROM CL-PKTC-EUE-TC-MIB

    pktcEUEDevOpIndex
        FROM CL-PKTC-EUE-DEV-MIB;

```

```
pktcEUERSTMIB MODULE-IDENTITY
```

```

    LAST-UPDATED "201204120000Z" -- April 12, 2012
    ORGANIZATION "Cable Television Laboratories, Inc."
    CONTACT-INFO
        "Broadband Network Services
        Cable Television Laboratories, Inc.
        858 Coal Creek Circle,
        Louisville, CO 80027, USA
        Phone: +1 303-661-9100
        Email: mibs@cablelabs.com

```

```
    Acknowledgements:
```

```

    Thomas Clack, Broadcom - Primary author
    Satish Kumar, Texas Instruments,
    Eugene Nechamkin, Broadcom
    Sumanth Channabasappa, CableLabs
    John Berg, CableLabs
    Eduardo Cardona, CableLabs
    and members of the PacketCable 2.0 Provisioning Focus Team."

```

```
DESCRIPTION
```

```

    "This MIB module contains configuration MIB
    objects for supporting RST Features specified in
    the PacketCable RST specification."

```

```
REVISION "201204120000Z" -- April 12, 2012
```

```
DESCRIPTION
```

```

    "Revised Version includes ECN RST-EUE-PROV-N-12.0675-2

```

```

    and published as part of RST-EUE-PROV-I07-120412"
REVISION "201101040000Z" -- Jan 4, 2011
DESCRIPTION
    "Revised Version includes ECN RST-EUE-PROV-N-10.0653-4
    and published as part of RST-EUE-PROV-I06-110127"
REVISION "201004260000Z" -- April 26, 2010
DESCRIPTION
    "Revised Version includes ECN RST-EUE-PROV-N-10.0630-3
    and published as part of RST-EUE-PROV-I05-100527"
REVISION "200912140000Z" -- December 14, 2009
DESCRIPTION
    "Revised Version includes ECN RST-EUE-PROV-N-09.0608-4
    and published as part of RST-EUE-PROV-I04-100120"
REVISION "200905280000Z" -- May 28, 2009
DESCRIPTION
    "Revised Version includes ECNs
    RST-EUE-PROV-N-08.0529-5
    RST-EUE-PROV-N-09.0558-3
    and published as part of RST-EUE-PROV-I03-090528"
REVISION "200807100000Z" -- July 10, 2008
DESCRIPTION
    "Revised Version includes ECN RST-EUE-PROV-N-08.0525-5
    and published as PKT-SP-RST-EUE-PROV-I02-080710"
REVISION "200711060000Z" -- Nov 6, 2007
DESCRIPTION
    "Initial version, published as part of the CableLabs
    RST E-UE Provisioning Specification
    PKT-SP-RST-EUE-PROV-I01-071106
    Copyright 2007 Cable Television Laboratories, Inc.
    All rights reserved."

```

```
 ::= { pktcApplicationMibs 2 }
```

```
-- Administrative assignments
```

```

pktcEUERSTNotifications    OBJECT IDENTIFIER ::= { pktcEUERSTMIB 0 }
pktcEUERSTObjects          OBJECT IDENTIFIER ::= { pktcEUERSTMIB 1 }
pktcEUERSTConformance     OBJECT IDENTIFIER ::= { pktcEUERSTMIB 2 }

```

```

pktcEUERSTCompliances     OBJECT IDENTIFIER ::= { pktcEUERSTConformance 1 }
pktcEUERSTGroups          OBJECT IDENTIFIER ::= { pktcEUERSTConformance 2 }

```

```
-- MIB Objects
```

```

pktcEUERSTProfile         OBJECT IDENTIFIER ::= { pktcEUERSTObjects 1 }
pktcEUERSTFeatures        OBJECT IDENTIFIER ::= { pktcEUERSTObjects 2 }

```

```
-----
-- Pktc EUE RST Textual Conventions
-----
```

```
PktcRSTTCFeatID ::= TEXTUAL-CONVENTION
```

```
    STATUS current
```

```
    DESCRIPTION
```

```
        "This TEXTUAL CONVENTION is being defined
        as a way to enumerate the RST features."
```

```

SYNTAX    INTEGER {
        other(1),
        digitMap(2),
        basicCall(3),
        announcement(4),

```

```

        statusChange(5),
        noAnsTimeout(6),
        callerId(7),
        callerIdDisplay(8),
        callerIdBlocking(9),
        callerIdDelivery(10),
        cfv(11),
        callWaiting(12),
        callHold(13),
        callTransfer(14),
        threeWayCalling(15),
        doNotDisturb(16),
        subscrProgPin(17), -- Subscriber Programmable PIN
        msgWaitIndicator(18),
        autoRecall(19),
        autoCallback(20),
        busyLineVerify(21),
        emergencySvc(22),
        scf(23), -- Selective Call Forwarding
        acr(24), -- Anonymous Call Rejection
        solicitorBlocking(25),
        distinctAlerting(26),
        speedDialing(27),
        cot(28), -- Customer Originated Call Trace
        heldMedia(29),
        localSpeedDialing(30),
        hotline(31),
        digitMapVariable(32)
        -- Reserved Range for operators specific features
        -- identifiers 100 to 200
    }

```

```

PktcEUETCRSTAppFeatIndexType ::= TEXTUAL-CONVENTION
    STATUS current
    DESCRIPTION
        " This TEXTUAL CONVENTION is being defined to
        indicate any indices related to RST Application
        Features.
        Such an instance can be referenced across
        tables to indicate an association."
    SYNTAX Unsigned32 (0..63)

```

```

PktcEUETCRSTAUID ::= TEXTUAL-CONVENTION
    DISPLAY-HINT "255a"
    STATUS current
    DESCRIPTION
        " This TEXTUAL CONVENTION is defined to
        indicate the Application Unique Identifier (AUID)
        as defined by PacketCable.
        The AUID is used for the dynamic invocation of RST
        features."
    SYNTAX OCTET STRING

```

```

-----
-- EUE Profile Information
-----

```

```

pktcEUERSTProfileVersion OBJECT-TYPE
    SYNTAX SnmpAdminString(SIZE(0..6))
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        " This MIB Object represents the RST Profile Version for this
        MIB module. The EUE MUST set this MIB Object to a value of '1.0'."

```

```

 ::= { pktcEUERSTProfile 1 }

-----
-- The Application Profile to Features Map Table
--
-----
pktcEUERSTAppProfileToFeatTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTAppProfileToFeatEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This table specifies RST profiles that can be associated
          with Users supporting the RST application."
    ::= { pktcEUERSTProfile 2 }

pktcEUERSTAppProfileToFeatEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTAppProfileToFeatEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        "Each entry in this table specifies an RST profile associated
          with a set of RST features. Each entry in this table is stored
          in volatile memory."
    INDEX { pktcEUERSTAppProfileIndex, pktcEUERSTAppFeatIndex }
    ::= { pktcEUERSTAppProfileToFeatTable 1 }

PktcEUERSTAppProfileToFeatEntry ::=
    SEQUENCE {
        pktcEUERSTAppProfileIndex      PktcEUETCUshrAppIndexType,
        pktcEUERSTAppFeatIndex         PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTAppFeatID            PktcRSTTCFeatID,
        pktcEUERSTAppFeatIndexRef      PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTAppAdminStat         PktcEUETCAdminStatus,
        pktcEUERSTAppAdminStatInfo     PktcEUETCStatusInfo,
        pktcEUERSTAppOperStat          PktcEUETCOperStatus,
        pktcEUERSTAppOperStatInfo      PktcEUETCStatusInfo,
        pktcEUERSTAppStatus            RowStatus
    }

pktcEUERSTAppProfileIndex OBJECT-TYPE
    SYNTAX      PktcEUETCUshrAppIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This MIB Object identifies an instance of an
          RST application profile."
    ::= { pktcEUERSTAppProfileToFeatEntry 1 }

pktcEUERSTAppFeatIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This MIB Object identifies a specific RST feature
          instance."
    ::= { pktcEUERSTAppProfileToFeatEntry 2 }

pktcEUERSTAppFeatID OBJECT-TYPE
    SYNTAX      PktcRSTTCFeatID
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The MIB Object identifies a specific RST

```

```

        feature, as specified by PacketCable RST."
 ::= { pktcEUERSTAppProfileToFeatEntry 3 }

pktcEUERSTAppFeatIndexRef OBJECT-TYPE
SYNTAX      PktcEUETCRSTAppFeatIndexType
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The MIB Object identifies an index into the RST
      feature table identified by the MIB Object
      pktcEUERSTAppFeatID.

      A value of '0' is reserved and is used to either
      identify a global feature configuration, or when
      no configuration data is specified for the feature.

      For example, the value of this object MUST be set to
      '0' for a feature that has no associated additional
      configuration table.

      Setting the value to '0' in any other cases will
      result in feature configuration error."
 ::= { pktcEUERSTAppProfileToFeatEntry 4 }

pktcEUERSTAppAdminStat OBJECT-TYPE
SYNTAX      PktcEUETCAdminStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object contains the administratively desired
      activation status of the feature within the profile.

      When set to 'active' the feature is intended
      to be available to the applications that reference this
      profile.

      When set to 'inactive' the feature is not available to the
      applications that reference this profile."
DEFVAL      {active}
 ::= { pktcEUERSTAppProfileToFeatEntry 5 }

pktcEUERSTAppAdminStatInfo OBJECT-TYPE
SYNTAX      PktcEUETCStatusInfo
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object MAY provide more information about the
      status reported by the MIB Object pktcEUERSTAppAdminStat."
DEFVAL      {""}
 ::= { pktcEUERSTAppProfileToFeatEntry 6 }

pktcEUERSTAppOperStat OBJECT-TYPE
SYNTAX      PktcEUETCOperStatus
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
    " This MIB Object contains the operational activation status
      of a feature within a profile.

      This object returns the following values:

      'active'
      When pktcEUERSTAppAdminStat is 'active' and there are

```

no run-time conditions and/or configuration errors that prohibit the feature from being used.

'inactive'

When pktcEUERSTAppAdminStat is 'inactive'

or

When pktcEUERSTAppAdminStat is 'active' and there are run-time conditions and/or configuration errors that prohibit the feature from being used.

'notPresent'

When the application feature is not available or unknown to the EUE.

'unknown'

Other conditions not covered by the previous values.

An example of a run-time condition that can result in a value of 'inactive' is an unsuccessful attempt to bind the resources associated with the feature by an application because the resources are currently bound to another profile.

PacketCable applications can specify additional conditions for how an application is considered 'active', 'inactive' or 'notPresent', and corresponding state machine."

```
::= { pktcEUERSTAppProfileToFeatEntry 7 }
```

```
pktcEUERSTAppOperStatInfo OBJECT-TYPE
```

```
SYNTAX      PktcEUETCStatusInfo
```

```
MAX-ACCESS  read-only
```

```
STATUS      current
```

```
DESCRIPTION
```

```
    " This MIB Object MAY provide more information about the
      status reported by the MIB Object pktcEUERSTAppOperStat."
```

```
DEFVAL      {""}
```

```
::= { pktcEUERSTAppProfileToFeatEntry 8 }
```

```
pktcEUERSTAppStatus OBJECT-TYPE
```

```
SYNTAX      RowStatus
```

```
MAX-ACCESS  read-create
```

```
STATUS      current
```

```
DESCRIPTION
```

```
    " This MIB Object defines the row status associated with this
      particular application profile in the MIB table.
```

An entry in this table is not qualified for activation until the object instances of all corresponding columns have been initialized, either by default values or via explicit SET operations. Until all object instances in this row are initialized, the status value for this realm must be 'notReady(3)'.  
 In particular, two columnar objects must be SET: the 'pktcEUERSTAppFeatID' and 'pktcEUERSTAppFeatIndexRef'. Once these two objects have been set the row status may be SET to 'active(1)'.

The EUE MUST not allow these two objects to be changed while the row is 'active'. The value of this object has no effect on whether other columnar objects in this row can be modified."

```
::= { pktcEUERSTAppProfileToFeatEntry 9 }
```

```

-----
-- The Digit Map
-- Ref (PacketCable RST specification):
-----
pktcEUERSTDigitMapFeat OBJECT IDENTIFIER ::= { pktcEUERSTProfile 3 }

-----
-- Digit Map Profile Table
-----
pktcEUERSTDigitMapProfileTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTDigitMapProfileEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This table provides a Digit Map Profile. A Digit Map
          Profile may be shared by multiple Users"
    ::= { pktcEUERSTDigitMapFeat 1 }

pktcEUERSTDigitMapProfileEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTDigitMapProfileEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        "Each entry in this table provides a digit map profile."
    INDEX { pktcEUERSTDMIndex }
    ::= { pktcEUERSTDigitMapProfileTable 1 }

PktcEUERSTDigitMapProfileEntry ::=
    SEQUENCE {
        pktcEUERSTDMIndex          PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTDMValue          OCTET STRING,
        pktcEUERSTDMStatus         RowStatus
    }

pktcEUERSTDMIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
          value may be provided as data in other objects that
          reference this table."
    ::= { pktcEUERSTDigitMapProfileEntry 1 }

pktcEUERSTDMValue OBJECT-TYPE
    SYNTAX      OCTET STRING(SIZE(0..8192))
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        "This MIB Object specifies the ABNF for the Digit Map.
          Refer to the PacketCable RST Feature Specification
          for representation and validation details."
    REFERENCE  "PacketCable RST Feature Specification"
    ::= { pktcEUERSTDigitMapProfileEntry 2 }

pktcEUERSTDMStatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.

```

```

        There is no restriction on the ability to change values in this
        row while the row is active.
        A created row can be set to active only after all corresponding
        instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTDigitMapProfileEntry 3 }

-----
-- Digit Map Variable Table
-----
pktcEUERSTDigitMapVariableTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTDigitMapVariableEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This object represents Digit map extension variables
        associated with a particular user application profile."
 ::= { pktcEUERSTDigitMapFeat 2 }

pktcEUERSTDigitMapVariableEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTDigitMapVariableEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        "The conceptual row of pktcEUERSTDigitMapVariableTable."
    INDEX { pktcEUERSTDigitMapVariableIndex, pktcEUERSTDigitMapVariableId }
 ::= { pktcEUERSTDigitMapVariableTable 1 }

PktcEUERSTDigitMapVariableEntry ::=
    SEQUENCE {
        pktcEUERSTDigitMapVariableIndex      PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTDigitMapVariableId         Unsigned32,
        pktcEUERSTDigitMapVariableName      SnmpAdminString,
        pktcEUERSTDigitMapVariableValue     SnmpAdminString,
        pktcEUERSTDigitMapVariableStatus    RowStatus
    }

pktcEUERSTDigitMapVariableIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This key represents the identifier of a Digit
        Map Variable Feature List. Values used for this
        index must be greater than zero and are not required
        to be sequential."
 ::= { pktcEUERSTDigitMapVariableEntry 1 }

pktcEUERSTDigitMapVariableId OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This attribute represent the unique identifier of an instance
        within the scope of a Digit Map Variable list."
 ::= { pktcEUERSTDigitMapVariableEntry 2 }

pktcEUERSTDigitMapVariableName OBJECT-TYPE
    SYNTAX      SnmpAdminString
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        "This attribute represents the name of the Digit Map variable

```

```

        being defined. More specifically, it represents the
        'SymbolNameDef' part of the SymbolDef construct this
        variable is referring."
REFERENCE "PacketCable RST Feature Specification"
 ::= { pktcEUERSTDigitMapVariableEntry 3 }

pktcEUERSTDigitMapVariableValue OBJECT-TYPE
SYNTAX      SnmpAdminString
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    "This attribute represents the value of the Digit Map
    variable being defined. See Notation and rules in the RST
    Feature specification."
REFERENCE "PacketCable RST Feature Specification"
 ::= { pktcEUERSTDigitMapVariableEntry 4 }

pktcEUERSTDigitMapVariableStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    "There is no restriction on the ability to change values in
    this instance while is active.
    A created instance can be set to active only after all
    corresponding attributes of the object instances have been
    set to valid values."
 ::= { pktcEUERSTDigitMapVariableEntry 5 }

-----
-- The In-service/Out-of-Service
-- Ref (PacketCable RST specification):
-----

pktcEUERSTKeepAlive OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-write
STATUS      deprecated
DESCRIPTION
    " This MIB Object represents the configuration of the in-service/
    out-of-service status.
    The value 'true' indicates the EUE use the keep-alive mechanism
    to determine the in-service/out-of-service status. The value 'false'
    indicates the EUE follows the in-service state requirement of RSTF.
    This MIB object is deprecated in favor of pktcEUERSTKeepAliveSetting."
REFERENCE "PacketCable RST Feature Specification"
 ::= { pktcEUERSTProfile 4 }

pktcEUERSTKeepAliveSetting OBJECT-TYPE
SYNTAX      INTEGER {
                on(1),
                off(2),
                conditional(3)
            }
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
    " This MIB Object represents the configuration of the in-service/
    out-of-service status.
    The value 'on' indicates the EUE use the keep-alive mechanism
    to determine the in-service/out-of-service status. The value 'off'
    indicates the EUE follows the in-service state requirement of RSTF.
    The value 'conditional' indicates the EUE MUST either start the

```

```

        keep alivemechanism (as described above) or not depending on the
        indication (or lack thereof) in the 200 OK response to the REGISTER. "
REFERENCE "PacketCable RST Feature Specification"
 ::= { pktcEUERSTProfile 5 }

```

```

-----
-- The Basic Call Features
-- Ref (PacketCable RST specification): Table "Basic Call Feature Data"
-----
pktcEUERSTBasicCallFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 1 }

```

```

-- The USER Basic-Call Feature Table

pktcEUERSTBasicCallTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTBasicCallEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents User-based parameters
          associated with the Basic Call Feature for the
          RST Service."
    ::= { pktcEUERSTBasicCallFeat 1 }

```

```

pktcEUERSTBasicCallEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTBasicCallEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
          of a user with a Basic Call Feature parameter.
          Each entry in this table is stored in volatile memory."
    INDEX { pktcEUERSTBCallIndex }
    ::= { pktcEUERSTBasicCallTable 1 }

```

```

PktcEUERSTBasicCallEntry ::=
    SEQUENCE {
        pktcEUERSTBCallIndex      PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTBCallPrefCodecList
                                   SnmpAdminString,
        pktcEUERSTBCallStatus     RowStatus
    }

```

```

pktcEUERSTBCallIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
          value may be provided as data in other objects that
          reference this table."
    ::= { pktcEUERSTBasicCallEntry 1 }

```

```

pktcEUERSTBCallPrefCodecList OBJECT-TYPE
    SYNTAX      SnmpAdminString
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object contains the list of the voice and/or video
          codecs preferred by the network.
          The value in this object is formed as a comma-separated list

```

of the well-known literal voice/video codec names in order of preference from left to right. The EUE MUST use the literal voice and/or video codec name as per RTP AV Profile [RFC 3551], or per encoding names registered with the IANA, or per encoding names referenced or defined in the PacketCable Codec-Media specification.

Unknown or non-supported codecs are ignored.

The zero-length string indicates the preferred codec list is vendor specific starting with G711 codecs."

REFERENCE "PacketCable Residential SIP Telephony Feature Specification"  
 ::= { pktcEUERSTBasicCallEntry 2 }

pktcEUERSTBCallStatus OBJECT-TYPE  
 SYNTAX RowStatus  
 MAX-ACCESS read-create  
 STATUS current  
 DESCRIPTION  
 " The status of this conceptual row.  
 There is no restriction on the ability to change values in this row while the row is active.  
 A created row can be set to active only after all corresponding instances of objects in the row have been set to valid values."  
 ::= { pktcEUERSTBasicCallEntry 3 }

-----  
 -- The NETWORK Basic-Call Feature Table  
 -- Ref (PacketCable RST specification): Table "Basic Call Feature Data"  
 -----

pktcEUERSTNfBasicCallTable OBJECT-TYPE  
 SYNTAX SEQUENCE OF PktcEUERSTNfBasicCallEntry  
 MAX-ACCESS not-accessible  
 STATUS current  
 DESCRIPTION  
 " This data table represents Network-based parameters associated with the Basic Call Feature for the RST Service."  
 ::= { pktcEUERSTBasicCallFeat 2 }

pktcEUERSTNfBasicCallEntry OBJECT-TYPE  
 SYNTAX PktcEUERSTNfBasicCallEntry  
 MAX-ACCESS not-accessible  
 STATUS current  
 DESCRIPTION  
 " Each entry in this data table describes an association of an Network Service Provider with a Basic Call Feature parameter."  
 INDEX { pktcEUEDevOpIndex }  
 ::= { pktcEUERSTNfBasicCallTable 1 }

PktcEUERSTNfBasicCallEntry ::=

SEQUENCE {		
	pktcEUERSTNfBCallByeDelay	Unsigned32,
	pktcEUERSTNfBCallOrigDTTimer	Unsigned32,
	pktcEUERSTNfBCallTermOHErrSig	Uri,
	pktcEUERSTNfBCallTermErrSigTimer	Unsigned32,
	pktcEUERSTNfBCallPermSeqTone1	Uri,
	pktcEUERSTNfBCallPermSeqTimer1	Unsigned32,
	pktcEUERSTNfBCallPermSeqTone2	Uri,
	pktcEUERSTNfBCallPermSeqTimer2	Unsigned32,
	pktcEUERSTNfBCallPermSeqTone3	Uri,
	pktcEUERSTNfBCallPermSeqTimer3	Unsigned32,

```

        pktcEUERSTNfBCallLORTimer           Unsigned32,
        pktcEUERSTNfBCallNEMDSCPValueMedia Unsigned32,
        pktcEUERSTNfBCallNEMDSCPValueSig   Unsigned32,
        pktcEUERSTNfBCallStatus            RowStatus,
        pktcEUERSTNfBCallOrigModLongIntDig Unsigned32,
        pktcEUERSTNfBCallPermSeqTone4      Uri,
        pktcEUERSTNfBCallPermSeqTimer4     Unsigned32,
        pktcEUERSTNfBCallOverrideNotifyRejected TruthValue
    }

pktcEUERSTNfBCallByeDelay OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Bye Delay in seconds."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTNfBasicCallEntry 1 }

pktcEUERSTNfBCallOrigDTTimer OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Origination Mode
          Dial Tone Timer in seconds."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTNfBasicCallEntry 2 }

pktcEUERSTNfBCallTermOHErrSig OBJECT-TYPE
    SYNTAX      Uri
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Termination Mode Off-Hook
          error signal."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTNfBasicCallEntry 3 }

pktcEUERSTNfBCallTermErrSigTimer OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Termination Mode error signal
          timer in seconds."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTNfBasicCallEntry 4 }

pktcEUERSTNfBCallPermSeqTone1 OBJECT-TYPE
    SYNTAX      Uri
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Permanent Sequence tone 1."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTNfBasicCallEntry 5 }

pktcEUERSTNfBCallPermSeqTimer1 OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION

```

```
    " This MIB Object specifies the Permanent Sequence timer 1
      in seconds."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 6 }

pktcEUERSTNfBCallPermSeqTone2 OBJECT-TYPE
SYNTAX      Uri
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Permanent Sequence tone 2."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 7 }

pktcEUERSTNfBCallPermSeqTimer2 OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Permanent Sequence timer 2
      in seconds."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 8 }

pktcEUERSTNfBCallPermSeqTone3 OBJECT-TYPE
SYNTAX      Uri
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Permanent Sequence tone 3."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 9 }

pktcEUERSTNfBCallPermSeqTimer3 OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Permanent Sequence timer 3
      in seconds."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 10 }

pktcEUERSTNfBCallLORTimer OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Lockout Reset timer in seconds."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 11 }

pktcEUERSTNfBCallNEMDSCPValueMedia OBJECT-TYPE
SYNTAX      Unsigned32(0..63)
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Non-Emergency DSCP Value
      for network packets carrying the Media (RTP) information."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 12 }

pktcEUERSTNfBCallNEMDSCPValueSig OBJECT-TYPE
```

```

SYNTAX      Unsigned32(0..63)
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Non-Emergency DSCP Value
      for network packets carrying the signaling information."
REFERENCE   "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 13 }

pktcEUERSTNfBCallStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTNfBasicCallEntry 14 }

pktcEUERSTNfBCallOrigModLongIntDig OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Origination Mode Long Interdigit
      Timer in seconds."
REFERENCE   "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 15 }

pktcEUERSTNfBCallPermSeqTone4 OBJECT-TYPE
SYNTAX      Uri
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Permanent Sequence tone 4."
REFERENCE   "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 16 }

pktcEUERSTNfBCallPermSeqTimer4 OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Permanent Sequence timer 4
      in seconds."
REFERENCE   "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBasicCallEntry 17 }

pktcEUERSTNfBCallOverrideNotifyRejected OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies a control mechanism to override the
      NOTIFY Rejected Event behavior.

    The value 'true' instructs the UE to follow the behavior of
    receiving a reg event NOTIFY with the associated event
    attribute element 'deactivated' for the case where the
    event attribute is set to 'rejected'. In other words,

```

if this attribute is set to 'true' the UE public identities associated with this operator will e.g., de-register and start registration when the reg event attribute is set to 'rejected'.

The value 'false' indicates the UE follows the standard procedures defined in the PacketCable IMS Delta Specification 24.229 for the 'rejected' attribute of the reg event."

REFERENCE "PacketCable Residential SIP Telephony Feature Specification"  
 DEFVAL { false }  
 ::= { pktcEUERSTNfBasicCallEntry 18 }

```
-----
-- Pktc EUE RST Announcement Feature Profile
-- Ref (PacketCable RST specification): Table "Announcement Feature Data"
-----
pktcEUERSTAncFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 2 }
```

-- The USER Announcement Feature Table

```
pktcEUERSTAncTable OBJECT-TYPE
  SYNTAX      SEQUENCE OF PktcEUERSTAncEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    " This data table represents User-based parameters
      associated with the Announcement Feature for the
      RST Service."
  ::= { pktcEUERSTAncFeat 1 }
```

```
pktcEUERSTAncEntry OBJECT-TYPE
  SYNTAX      PktcEUERSTAncEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    " Each entry in this data table describes an association
      of a user with an Announcement Feature parameter.
      Each entry in this table is stored in volatile memory."
  INDEX { pktcEUERSTAncIndex }
  ::= { pktcEUERSTAncTable 1 }
```

```
PktcEUERSTAncEntry ::=
  SEQUENCE {
    pktcEUERSTAncIndex      PktcEUETCRSTAppFeatIndexType,
    pktcEUERSTAncPrefLang   SnmpAdminString,
    pktcEUERSTAncStatus     RowStatus
  }
```

```
pktcEUERSTAncIndex OBJECT-TYPE
  SYNTAX      PktcEUETCRSTAppFeatIndexType
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    " This data element provides an index for the table.
      Values used for this index must be greater than zero
      and are not required to be sequential. This index
      value may be provided as data in other objects that
      reference this table."
  ::= { pktcEUERSTAncEntry 1 }
```

```
pktcEUERSTAncPrefLang OBJECT-TYPE
  SYNTAX      SnmpAdminString
  MAX-ACCESS  read-create
  STATUS      current
```

```

DESCRIPTION
    " This MIB Object specifies the preferred language for the
      EUE announcement."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTAncEntry 2 }

pktcEUERSTAncStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTAncEntry 3 }

-----
-- The NETWORK Announcement Call Feature Table
-- Ref (PacketCable RST specification): Table "Announcement Feature Data"
-----

pktcEUERSTNfAncTable OBJECT-TYPE
SYNTAX      SEQUENCE OF PktcEUERSTNfAncEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data table represents Network-based parameters
      associated with the Announcement Feature for the
      RST Service."
 ::= { pktcEUERSTAncFeat 2 }

pktcEUERSTNfAncEntry OBJECT-TYPE
SYNTAX      PktcEUERSTNfAncEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " Each entry in this data table describes an association
      of an Network Service Provider with an Announcement Feature
      parameter. Each entry in this table is stored in volatile memory."
INDEX { pktcEUEDevOpIndex }
 ::= { pktcEUERSTNfAncTable 1 }

PktcEUERSTNfAncEntry ::=
SEQUENCE {
    pktcEUERSTNfAncRes      Uri,
    pktcEUERSTNfAncDomain  SnmpAdminString,
    pktcEUERSTNfAncPath    Uri,
    pktcEUERSTNfAncMIMEType SnmpAdminString,
    pktcEUERSTNfAncStatus  RowStatus
}

pktcEUERSTNfAncRes OBJECT-TYPE
SYNTAX      Uri
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Announcement Resource
      URI for the media server"
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfAncEntry 1 }

```

```

pktcEUERSTNfAncDomain OBJECT-TYPE
    SYNTAX      SnmpAdminString
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Announcement Domain."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTNfAncEntry 2 }

pktcEUERSTNfAncPath OBJECT-TYPE
    SYNTAX      Uri
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Announcement Path."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTNfAncEntry 3 }

pktcEUERSTNfAncMIMETYPE OBJECT-TYPE
    SYNTAX      SnmpAdminString
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Announcement MIME type."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTNfAncEntry 4 }

pktcEUERSTNfAncStatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.
          There is no restriction on the ability to change values in this
          row while the row is active.
          A created row can be set to active only after all corresponding
          instances of objects in the row have been set to valid values."
    ::= { pktcEUERSTNfAncEntry 5 }

-----
-- The NETWORK Announcement Map Feature Table
-- Ref (PacketCable RST specification): Table "Announcement Feature Data"
-----

pktcEUERSTNfAncMapTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTNfAncMapEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents the network-based announcement MAP entries"
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTAncFeat 3 }

pktcEUERSTNfAncMapEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTNfAncMapEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents the network-based announcement MAP entries.
          Each entry in this table represents the Announcement MAP
          entry URI corresponding to a response code.
          Each entry in this table is stored in volatile memory."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"

```

```

INDEX {pktcEUEDevOpIndex, pktcEUERSTNfAncMapRspCode}
 ::= { pktcEUERSTNfAncMapTable 1 }

PktcEUERSTNfAncMapEntry ::=
  SEQUENCE {
    pktcEUERSTNfAncMapRspCode      Unsigned32,
    pktcEUERSTNfAncMapURI          Uri,
    pktcEUERSTNfAncMapStatus      RowStatus
  }

pktcEUERSTNfAncMapRspCode OBJECT-TYPE
  SYNTAX      Unsigned32(400..603)
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    " This MIB Object specifies the Response code. The following
      Response codes are valid: 404, 406, 408, 480, 484, 500, 503,
      504, 600, 603."
  REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
  ::= { pktcEUERSTNfAncMapEntry 1 }

pktcEUERSTNfAncMapURI OBJECT-TYPE
  SYNTAX      Uri
  MAX-ACCESS  read-create
  STATUS      current
  DESCRIPTION
    " This MIB Object specifies the Announcement Map entry.
      A string identifying the URI for response code."
  REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
  ::= { pktcEUERSTNfAncMapEntry 2 }

pktcEUERSTNfAncMapStatus OBJECT-TYPE
  SYNTAX      RowStatus
  MAX-ACCESS  read-create
  STATUS      current
  DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
  ::= { pktcEUERSTNfAncMapEntry 3 }

-----
-- The NETWORK Announcement Media Map Feature Table
-- Ref (PacketCable RST specification): Table "Announcement Feature Data"
-----

pktcEUERSTNfAncMediaMapTable OBJECT-TYPE
  SYNTAX      SEQUENCE OF PktcEUERSTNfAncMediaMapEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    " This data table represents the network-based announcement
      Media MAP entries"
  REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
  ::= { pktcEUERSTAncFeat 4 }

pktcEUERSTNfAncMediaMapEntry OBJECT-TYPE
  SYNTAX      PktcEUERSTNfAncMediaMapEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION

```

```

    " This data table represents the announcement Media MAP entries.
    Each entry in this table represents the Announcement Media MAP
    entry URI corresponding to an announcement identifier.
    Each entry in this table is stored in volatile memory."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
INDEX {pktcEUEDevOpIndex, pktcEUERSTNfAncMediaId}
 ::= { pktcEUERSTNfAncMediaMapTable 1 }

pktcEUERSTNfAncMediaMapEntry ::=
SEQUENCE {
    pktcEUERSTNfAncMediaId          SnmpAdminString,
    pktcEUERSTNfAncMediaURI        Uri,
    pktcEUERSTNfAncMediaCachMaxAge Unsigned32,
    pktcEUERSTNfAncMediaStatus     RowStatus
}

pktcEUERSTNfAncMediaId OBJECT-TYPE
SYNTAX      SnmpAdminString (SIZE (0..108))
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This MIB Object specifies the announcement Identifier."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfAncMediaMapEntry 1 }

pktcEUERSTNfAncMediaURI OBJECT-TYPE
SYNTAX      Uri (SIZE (0..108))
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Announcement Media Map entry.
    A string identifying the URI for announcement identifier."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfAncMediaMapEntry 2 }

pktcEUERSTNfAncMediaCachMaxAge OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Announcement Media Cache
    maximum age in seconds."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfAncMediaMapEntry 3 }

pktcEUERSTNfAncMediaStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
    There is no restriction on the ability to change values in this
    row while the row is active.
    A created row can be set to active only after all corresponding
    instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTNfAncMediaMapEntry 4 }

-----
-- The NETWORK Announcement Local Media Feature Table
-- Ref (PacketCable RST specification): Table "Local Media"
-----

pktcEUERSTNfAncLocalMediaTable OBJECT-TYPE

```

```

SYNTAX      SEQUENCE OF PktcEUERSTNfAncLocalMediaEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data table represents the network-based Local Media entries"
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTAncFeat 5 }

pktcEUERSTNfAncLocalMediaEntry OBJECT-TYPE
SYNTAX      PktcEUERSTNfAncLocalMediaEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " Each entry in this table represents the Local Media
      entries. Each entry in this table is stored in volatile memory."
INDEX {pktcEUEDevOpIndex, pktcEUERSTNfAncLclMediaURI}
 ::= { pktcEUERSTNfAncLocalMediaTable 1 }

PktcEUERSTNfAncLocalMediaEntry ::=
SEQUENCE {
    pktcEUERSTNfAncLclMediaURI      Uri,
    pktcEUERSTNfAncLclMediaType    SnmpAdminString,
    pktcEUERSTNfAncLclMediaData    SnmpAdminString,
    pktcEUERSTNfAncLclMediaStatus  RowStatus
}

pktcEUERSTNfAncLclMediaURI OBJECT-TYPE
SYNTAX      Uri (SIZE (0..108))
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Local Media entry.
      A string identifying the URI for the Local Media."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfAncLocalMediaEntry 1 }

pktcEUERSTNfAncLclMediaType OBJECT-TYPE
SYNTAX      SnmpAdminString
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Media Type entry."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfAncLocalMediaEntry 2 }

pktcEUERSTNfAncLclMediaData OBJECT-TYPE
SYNTAX      SnmpAdminString
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Media Data entry."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfAncLocalMediaEntry 3 }

pktcEUERSTNfAncLclMediaStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding

```

```

        instances of objects in the row have been set to valid values."
    ::= { pktcEUERSTNfAncLocalMediaEntry 4 }

-----
-- Pktc EUE RST EUE ActStatus Change Feature Profile
-- Ref (PacketCable RST specification): "UE ActStatus Change Feature Data"
-----
pktcEUERSTUEActStatChgFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 3 }

-- The USER EUE ActStatus Change Feature Table

pktcEUERSTUEActStatChgTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTUEActStatChgEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents User-based parameters
          associated with the EUE ActStatus Change Feature for the
          RST Service."
    ::= { pktcEUERSTUEActStatChgFeat 1 }

pktcEUERSTUEActStatChgEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTUEActStatChgEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
          of a user with a EUE ActStatus Change Feature parameter.
          Each entry in this table is stored in volatile memory."
    INDEX      { pktcEUERSTUEActStatChgIndex }
    ::= { pktcEUERSTUEActStatChgTable 1 }

PktcEUERSTUEActStatChgEntry ::=
    SEQUENCE {
        pktcEUERSTUEActStatChgIndex      PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTUEActStatChgRegExp     Unsigned32,
        pktcEUERSTUEActStatChgStatus     RowStatus
    }

pktcEUERSTUEActStatChgIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
          value may be provided as data in other objects that
          reference this table."
    ::= { pktcEUERSTUEActStatChgEntry 1 }

pktcEUERSTUEActStatChgRegExp OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the EUE ActStatus Registration expiration
          in seconds."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTUEActStatChgEntry 2 }

pktcEUERSTUEActStatChgStatus OBJECT-TYPE
    SYNTAX      RowStatus

```

```

MAX-ACCESS read-create
STATUS current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTUEActStatChgEntry 3 }

-----
-- Pktc EUE RST No Answer Timeout Feature Profile
-- Ref (PacketCable RST specification): "No Answer Timeout Feature Data"
-----
pktcEUERSTNoAnsTimeoutFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 4 }

-- The USER No Answer timeout Feature Table

pktcEUERSTNoAnsTimeoutTable OBJECT-TYPE
    SYNTAX SEQUENCE OF PktcEUERSTNoAnsTimeoutEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        " This data table represents User-based parameters
          associated with the No Answer Timeout Feature for the
          RST Service."
    ::= { pktcEUERSTNoAnsTimeoutFeat 1 }

pktcEUERSTNoAnsTimeoutEntry OBJECT-TYPE
    SYNTAX PktcEUERSTNoAnsTimeoutEntry
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        " Each entry in this data table describes an association
          of a user with a No Answer Timeout Feature parameter.
          Each entry in this table is stored in volatile memory."
    INDEX { pktcEUERSTNoAnsTOIndex }
    ::= { pktcEUERSTNoAnsTimeoutTable 1 }

PktcEUERSTNoAnsTimeoutEntry ::=
    SEQUENCE {
        pktcEUERSTNoAnsTOIndex PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTNoAnsTODuration Unsigned32,
        pktcEUERSTNoAnsTOSTatus RowStatus
    }

pktcEUERSTNoAnsTOIndex OBJECT-TYPE
    SYNTAX PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
          value may be provided as data in other objects that
          reference this table."
    ::= { pktcEUERSTNoAnsTimeoutEntry 1 }

pktcEUERSTNoAnsTODuration OBJECT-TYPE
    SYNTAX Unsigned32
    MAX-ACCESS read-create
    STATUS current
    DESCRIPTION

```

```

    " This MIB Object specifies the No Answer Timeout Duration
    in seconds."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNoAnsTimeoutEntry 2 }

pktcEUERSTNoAnsTOSTatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.
        There is no restriction on the ability to change values in this
        row while the row is active.
        A created row can be set to active only after all corresponding
        instances of objects in the row have been set to valid values."
    ::= { pktcEUERSTNoAnsTimeoutEntry 3 }

-----
-- Pktc EUE RST Caller ID Feature Profile
-- Ref (PacketCable RST specification): " Caller ID Feature Data"
-----

pktcEUERSTCallerIdFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 5 }

-- The USER Caller ID Feature Table

pktcEUERSTCIDTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTCIDEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents User-based parameters
        associated with the Caller ID Feature for the
        RST Service."
    ::= { pktcEUERSTCallerIdFeat 1 }

pktcEUERSTCIDEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTCIDEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
        of a user with a Caller ID Feature parameter.
        Each entry in this table is stored in volatile memory."
    INDEX { pktcEUERSTCIDIndex }
    ::= { pktcEUERSTCIDTable 1 }

PktcEUERSTCIDEntry ::=
    SEQUENCE {
        pktcEUERSTCIDIndex      PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTCIDPPS        INTEGER,
        pktcEUERSTCIDStatus     RowStatus
    }

pktcEUERSTCIDIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
        Values used for this index must be greater than zero
        and are not required to be sequential. This index
        value may be provided as data in other objects that
        reference this table."

```

```

 ::= { pktcEUERSTCIDEntry 1 }

pktcEUERSTCIDPPS OBJECT-TYPE
    SYNTAX      INTEGER {
                    anonymous(1),
                    public(2)
                }
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Permanent Presentation ActStatus."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTCIDEntry 2 }

pktcEUERSTCIDStatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.
          There is no restriction on the ability to change values in this
          row while the row is active.
          A created row can be set to active only after all corresponding
          instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTCIDEntry 3 }

-----
-- Pktc EUE RST Caller ID Display Feature Profile
-- Ref (PacketCable RST specification): "Caller ID Display Feature Data"
-----

pktcEUERSTCIDDisFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 6 }

-- The USER Caller ID Display Feature Table

pktcEUERSTCIDDisTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTCIDDisEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents User-based parameters
          associated with the Caller ID Display Feature for the
          RST Service."
 ::= { pktcEUERSTCIDDisFeat 1 }

pktcEUERSTCIDDisEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTCIDDisEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
          of a user with a Caller ID Display Feature parameter.
          Each entry in this table is stored in volatile memory."
    INDEX      { pktcEUERSTCIDDisIndex }
 ::= { pktcEUERSTCIDDisTable 1 }

PktcEUERSTCIDDisEntry ::=
    SEQUENCE {
        pktcEUERSTCIDDisIndex          PktcEUETRSTAppFeatIndexType,
        pktcEUERSTCIDDisCNDActStat     TruthValue,
        pktcEUERSTCIDDisCNAMDActStat   TruthValue,
        pktcEUERSTCIDDisDefCountry     SnmpAdminString,
        pktcEUERSTCIDDisStatus         RowStatus,
    }

```

```

        pktcEUERSTCIDDisCIDWActStat      TruthValue
    }

pktcEUERSTCIDDisIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
          value may be provided as data in other objects that
          reference this table."
    ::= { pktcEUERSTCIDDisEntry 1 }

pktcEUERSTCIDDisCNDActStat OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the activation status for Calling
          Number Display (CND). "
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTCIDDisEntry 2 }

pktcEUERSTCIDDisCNAMDActStat OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the activation status for Calling
          Name Display (CNAMD). "
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTCIDDisEntry 3 }

pktcEUERSTCIDDisDefCountry OBJECT-TYPE
    SYNTAX      SnmpAdminString
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies default country code."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTCIDDisEntry 4 }

pktcEUERSTCIDDisStatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.
          There is no restriction on the ability to change values in this
          row while the row is active.
          A created row can be set to active only after all corresponding
          instances of objects in the row have been set to valid values."
    ::= { pktcEUERSTCIDDisEntry 5 }

pktcEUERSTCIDDisCIDWActStat OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the activation status for the
          CIDCW feature.

```

The value 'true' indicates CID Display and CW indication are simultaneously active if both CID Display and CW features are activated.

The value 'false' indicated CID Display indication is disabled if both CID and CW features are active.

If CD Display is active but CW is not active, the EUE MUST ignore the value of this object."

REFERENCE "PacketCable Residential SIP Telephony Feature Specification"

DEFVAL { true }

::= { pktcEUERSTCIDDisEntry 6 }

-- Static objects

pktcEUERSTCIDDisTimeAdj OBJECT-TYPE

SYNTAX Integer32

UNITS "minutes"

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" This MIB Object specifies the adjustment from location invariant time to time at current location. The time delta in minutes.

If not configured, this attribute takes the value of the time zone acquired by the host system the UE resides or defaults to 0. For example, an EUE reports the value of the RFC 2132 DHCP option 'time offset' (in minutes) from the CM. This attribute is ignored when pktcEUERSTCIDDisDSTInfo is not the zero-length string."

REFERENCE "PacketCable Residential SIP Telephony Feature Specification"

::= { pktcEUERSTCIDDisFeat 2 }

pktcEUERSTCIDDisDSTFlag OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" The indication of Day Light Savings Time Shift

When set to 'true' the eUE MUST apply the daylight Time Savings Shifting i.e. apply a 1 hour adjustment during daylight savings time. When set to 'false' the eUE MUST NOT make any daylight Time Saving adjustment.

This attribute is ignored when pktcEUERSTCIDDisDSTInfo is not the zero-length string."

DEFVAL { true }

::= { pktcEUERSTCIDDisFeat 3 }

pktcEUERSTCIDDisDSTInfo OBJECT-TYPE

SYNTAX SnmpAdminString

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" The time zone option including DST information in the 'TZ-Posix String' format as defined in RFC 4833.

If this attribute is not the zero-length string the UE MUST perform the time correction during the daylight saving time per this value and ignore the value of pktcEUERSTCIDDisDSTFlag and pktcEUERSTCIDDisTimeAdj

If not configured, this attribute takes the value of the timezone acquired by the host system the UE resides or defaults to the zero-length string. For example, an EUE reports the value of the TZ-Posix string provided in RFC 4833 DHCPv4 option 'TZ-POSIX String' or

DHCPv6 option code OPTION\_NEW\_POSIX\_TIMEZONE from the CM.

The following clarifications apply to the 'TZ-Posix String' expression:

Given the TZ-Posix String as :  
 stdoffset[dst[offset][,start[/time],end[/time]]]

The EUE may ignore the time zone abbreviation associated with the 'std' and 'dst' expressions or may use them as part of a particular time output formatting (e.g., display time with time zone local abbreviation).

The EUE is not required to support the parsing of the 'start' and 'end' expressions in Julian and zero-based Julian day.

The EUE MUST apply the default values to the optional components in the TZ-Posix String."

```
::= { pktcEUERSTCIDDisFeat 4 }
```

```
-----
-- Pktc EUE RST Caller ID Per Call Blocking Feature Profile
-- Ref (PacketCable RST specification): "Caller ID Per-Call Blocking Feature Data"
-----
pktcEUERSTCIDCallBlkFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 7 }
```

```
-- The USER Caller Call Block Feature Table
```

```
pktcEUERSTCallBlkTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTCallBlkEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents User-based parameters
          associated with the Call Block Feature for the
          RST Service."
    ::= { pktcEUERSTCIDCallBlkFeat 1 }
```

```
pktcEUERSTCallBlkEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTCallBlkEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
          of a user with a Call Block Feature parameter.
          Each entry in this table is stored in volatile memory."
    INDEX      { pktcEUERSTCIDBlkIndex }
    ::= { pktcEUERSTCallBlkTable 1 }
```

```
PktcEUERSTCallBlkEntry ::=
    SEQUENCE {
        pktcEUERSTCIDBlkIndex          PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTCIDBlkConfTone      Uri,
        pktcEUERSTCIDBlkErrTone       Uri,
        pktcEUERSTCIDBlkStatus        RowStatus
    }
```

```
pktcEUERSTCIDBlkIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
```

```

        value may be provided as data in other objects that
        reference this table."
 ::= { pktcEUERSTCallBlkEntry 1 }

pktcEUERSTCIDCBlkConfTone OBJECT-TYPE
SYNTAX      Uri
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the confirmation tone after
      vertical feature code."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTCallBlkEntry 2 }

pktcEUERSTCIDCBlkErrTone OBJECT-TYPE
SYNTAX      Uri
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the error tone after
      vertical feature code failure."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTCallBlkEntry 3 }

pktcEUERSTCIDCBlkStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTCallBlkEntry 4 }

-----
-- Pktc EUE RST Caller ID Per Call Delivery Feature Profile
-- Ref (PacketCable RST specification): "Caller ID Per-Call Delivery Feature  Data"
-----
pktcEUERSTCIDCallDelFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 8 }

-- The USER Caller Call Delivery Feature Table

pktcEUERSTCallDelTable OBJECT-TYPE
SYNTAX      SEQUENCE OF PktcEUERSTCallDelEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data table represents User-based parameters
      associated with the Call Delivery Feature for the
      RST Service."
 ::= { pktcEUERSTCIDCallDelFeat 1 }

pktcEUERSTCallDelEntry OBJECT-TYPE
SYNTAX      PktcEUERSTCallDelEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " Each entry in this data table describes an association
      of a user with a Call Delivery Feature parameter.
      Each entry in this table is stored in volatile memory."
INDEX      { pktcEUERSTCIDDelIndex }

```

```

 ::= { pktcEUERSTCallDelTable 1 }

pktcEUERSTCallDelEntry ::=
  SEQUENCE {
    pktcEUERSTCIDDelIndex          PktcEUETCRSTAppFeatIndexType,
    pktcEUERSTCIDDelConfTone       Uri,
    pktcEUERSTCIDDelErrTone        Uri,
    pktcEUERSTCIDDelStatus         RowStatus
  }

pktcEUERSTCIDDelIndex OBJECT-TYPE
  SYNTAX          PktcEUETCRSTAppFeatIndexType
  MAX-ACCESS      not-accessible
  STATUS          current
  DESCRIPTION
    " This data element provides an index for the table.
      Values used for this index must be greater than zero
      and are not required to be sequential. This index
      value may be provided as data in other objects that
      reference this table."
  ::= { pktcEUERSTCallDelEntry 1 }

pktcEUERSTCIDDelConfTone OBJECT-TYPE
  SYNTAX          Uri
  MAX-ACCESS      read-create
  STATUS          current
  DESCRIPTION
    " This MIB Object specifies the confirmation tone after
      vertical feature code."
  REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
  ::= { pktcEUERSTCallDelEntry 2 }

pktcEUERSTCIDDelErrTone OBJECT-TYPE
  SYNTAX          Uri
  MAX-ACCESS      read-create
  STATUS          current
  DESCRIPTION
    " This MIB Object specifies the error tone after
      vertical feature code failure."
  REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
  ::= { pktcEUERSTCallDelEntry 3 }

pktcEUERSTCIDDelStatus OBJECT-TYPE
  SYNTAX          RowStatus
  MAX-ACCESS      read-create
  STATUS          current
  DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
  ::= { pktcEUERSTCallDelEntry 4 }

-----
-- Pktc EUE RST Call Forwarding Variable Feature Profile
-- Ref (PacketCable RST specification): "Call Forwarding Variable Feature Data"
-----
pktcEUERSTCFwdFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 9 }

-- The USER Call Forwarding Feature Table

pktcEUERSTCallFwdTable OBJECT-TYPE

```

```

SYNTAX      SEQUENCE OF PktcEUERSTCallFwdEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data table represents User-based parameters
      associated with the Call Forwarding Feature for the
      RST Service."
 ::= { pktcEUERSTCFwdFeat 1 }

pktcEUERSTCallFwdEntry OBJECT-TYPE
SYNTAX      PktcEUERSTCallFwdEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " Each entry in this data table describes an association
      of a user with a Call Forwarding Feature parameter.
      Each entry in this table is stored in volatile memory."
INDEX { pktcEUERSTCallFwdIndex }
 ::= { pktcEUERSTCallFwdTable 1 }

PktcEUERSTCallFwdEntry ::=
SEQUENCE {
    pktcEUERSTCallFwdIndex          PktcEUETCRSTAppFeatIndexType,
    pktcEUERSTCallFwdRingReminder  TruthValue,
    pktcEUERSTCallFwdSubDuration   Unsigned32,
    pktcEUERSTCallFwdAUID          PktcEUETCRSTAUID,
    pktcEUERSTCallFwdStatus        RowStatus
}

pktcEUERSTCallFwdIndex OBJECT-TYPE
SYNTAX      PktcEUETCRSTAppFeatIndexType
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data element provides an index for the table.
      Values used for this index must be greater than zero
      and are not required to be sequential. This index
      value may be provided as data in other objects that
      reference this table."
 ::= { pktcEUERSTCallFwdEntry 1 }

pktcEUERSTCallFwdRingReminder OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Call Forward Ring Reminder."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTCallFwdEntry 2 }

pktcEUERSTCallFwdSubDuration OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the subscription duration in seconds."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTCallFwdEntry 3 }

pktcEUERSTCallFwdAUID OBJECT-TYPE
SYNTAX      PktcEUETCRSTAUID
MAX-ACCESS  read-create
STATUS      current

```

```

DESCRIPTION
    " This MIB Object defines the Application Unique Identifier (AUID)
      for this feature."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification."
 ::= { pktcEUERSTCallFwdEntry 4 }

pktcEUERSTCallFwdStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTCallFwdEntry 5 }

-- The NETWORK Call Forwarding Feature Table

pktcEUERSTNfCallFwdTable OBJECT-TYPE
SYNTAX      SEQUENCE OF PktcEUERSTNfCallFwdEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data table represents the network-based Call Forwarding entries"
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTCFwdFeat 2 }

pktcEUERSTNfCallFwdEntry OBJECT-TYPE
SYNTAX      PktcEUERSTNfCallFwdEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " Each entry in this table represents the Call Forwarding
      entries. Each entry in this table is stored in volatile memory."
INDEX      {pktcEUEDevOpIndex}
 ::= { pktcEUERSTNfCallFwdTable 1 }

PktcEUERSTNfCallFwdEntry ::=
SEQUENCE {
    pktcEUERSTNfCallFwdSpDialTone      TruthValue,
    pktcEUERSTNfCallFwdStatus          RowStatus
}

pktcEUERSTNfCallFwdSpDialTone OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the special conditions dial tone
      when forwarded indicator."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfCallFwdEntry 1 }

pktcEUERSTNfCallFwdStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.

```

```

        A created row can be set to active only after all corresponding
        instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTNfCallFwdEntry 2 }

-----
-- Pktc EUE RST Call Waiting Feature Data
-- Ref (PacketCable RST specification): "Call Waiting Feature Data"
-----
pktcEUERSTCallWaitFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 10 }

pktcEUERSTCallWaitTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTCallWaitEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents User-based parameters
        associated with the Call Waiting Feature for the
        RST Service."
    ::= { pktcEUERSTCallWaitFeat 1 }

pktcEUERSTCallWaitEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTCallWaitEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
        of a user with a Call Waiting Feature parameter.
        Each entry in this table is stored in volatile memory."
    INDEX { pktcEUERSTCallWaitIndex }
    ::= { pktcEUERSTCallWaitTable 1 }

PktcEUERSTCallWaitEntry ::=
    SEQUENCE {
        pktcEUERSTCallWaitIndex          PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTCallWaitCancelEnable   TruthValue,
        pktcEUERSTCallWaitStatus         RowStatus,
        pktcEUERSTCallWaitDisconnectTiming Unsigned32
    }

pktcEUERSTCallWaitIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
        Values used for this index must be greater than zero
        and are not required to be sequential. This index
        value may be provided as data in other objects that
        reference this table."
    ::= { pktcEUERSTCallWaitEntry 1 }

pktcEUERSTCallWaitCancelEnable OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Call Wait Cancel hook flash
        operations as described in the RST specification."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    DEFVAL { true }
    ::= { pktcEUERSTCallWaitEntry 2 }

pktcEUERSTCallWaitStatus OBJECT-TYPE

```

```

SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active."
 ::= { pktcEUERSTCallWaitEntry 3 }

pktcEUERSTCallWaitDisconnectTiming OBJECT-TYPE
SYNTAX      Unsigned32
UNITS       "seconds"
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the timer to resume a call with a third
      party being held. The value '0' indicates immediate connect."
DEFVAL { 10 }
 ::= { pktcEUERSTCallWaitEntry 4 }

-----
-- Pktc EUE RST Call Hold Feature Profile
-- Ref (PacketCable RST specification): "Call Hold Feature Data"
-----
pktcEUERSTCallHoldFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 11 }

-- The USER Call Hold Feature Table

pktcEUERSTCallHoldTable OBJECT-TYPE
SYNTAX      SEQUENCE OF PktcEUERSTCallHoldEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data table represents User-based parameters
      associated with the Call Hold Feature for the
      RST Service."
 ::= { pktcEUERSTCallHoldFeat 1 }

pktcEUERSTCallHoldEntry OBJECT-TYPE
SYNTAX      PktcEUERSTCallHoldEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " Each entry in this data table describes an association
      of a user with a Call Hold Feature parameter.
      Each entry in this table is stored in volatile memory."
INDEX { pktcEUERSTCHIndex }
 ::= { pktcEUERSTCallHoldTable 1 }

PktcEUERSTCallHoldEntry ::=
SEQUENCE {
    pktcEUERSTCHIndex          PktcEUETCRSTAppFeatIndexType,
    pktcEUERSTCHFeatConfirm    Uri,
    pktcEUERSTCHStatus         RowStatus
}

pktcEUERSTCHIndex OBJECT-TYPE
SYNTAX      PktcEUETCRSTAppFeatIndexType
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data element provides an index for the table.
      Values used for this index must be greater than zero

```

```

        and are not required to be sequential. This index
        value may be provided as data in other objects that
        reference this table."
 ::= { pktcEUERSTCallHoldEntry 1 }

pktcEUERSTCHFeatConfirm OBJECT-TYPE
    SYNTAX      Uri
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the feature activation/deactivation
          confirmation indicator."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTCallHoldEntry 2 }

pktcEUERSTCHStatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.
          There is no restriction on the ability to change values in this
          row while the row is active.
          A created row can be set to active only after all corresponding
          instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTCallHoldEntry 3 }

-----
-- Pktc EUE RST Call Transfer Feature Profile
-- Ref (PacketCable RST specification): "Call Transfer Feature Data"
-----
pktcEUERSTCallXfrFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 12 }

-- The USER Call Transfer Feature Table

pktcEUERSTCallXfrTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTCallXfrEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents User-based parameters
          associated with the Call Hold Transfer for the
          RST Service."
 ::= { pktcEUERSTCallXfrFeat 1 }

pktcEUERSTCallXfrEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTCallXfrEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
          of a user with a Call Hold Transfer parameter.
          Each entry in this table is stored in volatile memory."
    INDEX      { pktcEUERSTCXIndex }
 ::= { pktcEUERSTCallXfrTable 1 }

PktcEUERSTCallXfrEntry ::=
    SEQUENCE {
        pktcEUERSTCXIndex          PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTCXNtfyTimeout   Unsigned32,
        pktcEUERSTCXStatus        RowStatus,
        pktcEUERSTCXInDialogRefer TruthValue,
        pktcEUERSTCXIncomingOnly  TruthValue
    }

```

}

```

pktcEUERSTCXIndex OBJECT-TYPE
    SYNTAX      PkctcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
          value may be provided as data in other objects that
          reference this table."
    ::= { pktcEUERSTCallXfrEntry 1 }

pktcEUERSTCXNtfyTimeout OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Notify Timeout in seconds."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTCallXfrEntry 2 }

pktcEUERSTCXStatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.
          There is no restriction on the ability to change values in this
          row while the row is active.
          A created row can be set to active only after all corresponding
          instances of objects in the row have been set to valid values."
    ::= { pktcEUERSTCallXfrEntry 3 }

pktcEUERSTCXInDialogRefer OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the usage of call transfer
          refer. If set to 'true' a transfer via REFER is performed
          within the existing dialog with the transferee.
          If set to 'false' a transfer via REFER is sent out of
          dialog, to the transferee."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTCallXfrEntry 4 }

pktcEUERSTCXIncomingOnly OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies whether call transfer can be invoked
          only when the 1st call leg was an incoming call.

          If set to 'true' call transfer can be invoked only if the 1st call
          leg was an incoming call.

          If set to 'false' call transfer can be invoked if the 1st call leg
          was an incoming or an outgoing call.

          The EUE MUST use the default value of 'false'."

```

```

REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTCallXfrEntry 5 }

-----
-- Pktc EUE RST Do Not Disturb Feature Profile
-- Ref (PacketCable RST specification): "DND Feature Data"
-----
pktcEUERSTDnDFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 13 }

-- The USER Do Not Disturb Feature Table

pktcEUERSTDnDTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTDnDEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents User-based parameters
          associated with the Do Not Disturb feature for the
          RST Service."
    ::= { pktcEUERSTDnDFeat 1 }

pktcEUERSTDnDEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTDnDEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
          of a user with a Do Not Disturb parameter.
          Each entry in this table is stored in volatile memory."
    INDEX { pktcEUERSTDnDIndex }
    ::= { pktcEUERSTDnDTable 1 }

PktcEUERSTDnDEntry ::=
    SEQUENCE {
        pktcEUERSTDnDIndex          PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTDnDActConfirm     Uri,
        pktcEUERSTDnDDeActConfirm   Uri,
        pktcEUERSTDnDAUID           PktcEUETCRSTAUID,
        pktcEUERSTDnDStatus         RowStatus
    }

pktcEUERSTDnDIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
          value may be provided as data in other objects that
          reference this table."
    ::= { pktcEUERSTDnDEntry 1 }

pktcEUERSTDnDActConfirm OBJECT-TYPE
    SYNTAX      Uri
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Feature Activation Confirmation
          Indicator."
    REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTDnDEntry 2 }

```

```

pktcEUERSTDnDDeActConfirm OBJECT-TYPE
    SYNTAX      Uri
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Feature Deactivation Confirmation
          Indicator."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTDnDEntry 3 }

pktcEUERSTDnDAUID OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAUID
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object defines the Application Unique Identifier (AUID)
          for this feature."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification."
    ::= { pktcEUERSTDnDEntry 4 }

pktcEUERSTDnDStatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.
          There is no restriction on the ability to change values in this
          row while the row is active.
          A created row can be set to active only after all corresponding
          instances of objects in the row have been set to valid values."
    ::= { pktcEUERSTDnDEntry 5 }

-----
-- Pktc EUE RST Subscriber Programmable PIN Feature Data
-- Ref (PacketCable RST specification): "Subscriber Programmable PIN Feature Data"
-----
-- No extension objects for this feature

-----
-- Pktc EUE RST MWI Feature Profile
-- Ref (PacketCable RST specification): "MWI Feature Data"
-----
pktcEUERSTMWIFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 14 }

-- The NETWORK MWI Feature Table

pktcEUERSTNfmWItable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTNfmWIEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents the network-based MWI entries"
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTMWIFeat 1 }

pktcEUERSTNfmWIEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTNfmWIEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this table represents the MWI feature
          entries. Each entry in this table is stored in volatile memory."

```

```

INDEX {pktcEUEDevOpIndex}
 ::= { pktcEUERSTNfmWItable 1 }

PktcEUERSTNfmWIEntry ::=
  SEQUENCE {
    pktcEUERSTNfmWISubDuration  Unsigned32,
    pktcEUERSTNfmWIStatus       RowStatus
  }

pktcEUERSTNfmWISubDuration OBJECT-TYPE
  SYNTAX      Unsigned32
  UNITS       "seconds"
  MAX-ACCESS  read-create
  STATUS      current
  DESCRIPTION
    " This MIB Object specifies the MWI Subscription duration."
  REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
  ::= { pktcEUERSTNfmWIEntry 1 }

pktcEUERSTNfmWIStatus OBJECT-TYPE
  SYNTAX      RowStatus
  MAX-ACCESS  read-create
  STATUS      current
  DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
  ::= { pktcEUERSTNfmWIEntry 2 }

-----
-- Pktc EUE RST Auto Recall Feature Profile
-- Ref (PacketCable RST specification): "Auto Recall Feature Data"
-----
pktcEUERSTAutoRclFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 15 }

-- The USER Auto Recall Feature Table

pktcEUERSTAutoRclTable OBJECT-TYPE
  SYNTAX      SEQUENCE OF PktcEUERSTAutoRclEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    " This data table represents User-based parameters
      associated with the Auto Recall feature for the
      RST Service."
  ::= { pktcEUERSTAutoRclFeat 1 }

pktcEUERSTAutoRclEntry OBJECT-TYPE
  SYNTAX      PktcEUERSTAutoRclEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    " Each entry in this data table describes an association
      of a user with an Auto Recall parameter.
      Each entry in this table is stored in volatile memory."
  INDEX      { pktcEUERSTARIndex }
  ::= { pktcEUERSTAutoRclTable 1 }

PktcEUERSTAutoRclEntry ::=
  SEQUENCE {
    pktcEUERSTARIndex          PktcEUETCRSTAppFeatIndexType,

```

```

    pktcEUERSTARTimer           Unsigned32,
    pktcEUERSTARSpRngDuration   Unsigned32,
    pktcEUERSTARSpRngRetryTime  Unsigned32,
    pktcEUERSTARSpRngRetries    Unsigned32,
    pktcEUERSTARMaxSubSend      Unsigned32,
    pktcEUERSTARMaxSubRec       Unsigned32,
    pktcEUERSTARStatus          RowStatus
  }

```

pktcEUERSTARIndex OBJECT-TYPE

```

SYNTAX      PktcEUETCRSTAppFeatIndexType
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION

```

```

    " This data element provides an index for the table.
    Values used for this index must be greater than zero
    and are not required to be sequential. This index
    value may be provided as data in other objects that
    reference this table."

```

```
 ::= { pktcEUERSTAutoRclEntry 1 }
```

pktcEUERSTARTimer OBJECT-TYPE

```

SYNTAX      Unsigned32 (0..1800)
UNITS       "seconds"
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION

```

```

    " This MIB Object specifies the auto recall timer.
    This is seconds of feature duration."

```

```
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
```

```
DEFVAL      {1800}
```

```
 ::= { pktcEUERSTAutoRclEntry 2 }
```

pktcEUERSTARSpRngDuration OBJECT-TYPE

```

SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION

```

```

    " This MIB Object specifies the auto recall special ring duration.
    This is the number of special ringing ring cycles."

```

```
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
```

```
 ::= { pktcEUERSTAutoRclEntry 3 }
```

pktcEUERSTARSpRngRetryTime OBJECT-TYPE

```

SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION

```

```

    " This MIB Object specifies the auto recall special ringing retry
    wait interval. This is seconds to wait between attempts to alert
    the user with special ringing."

```

```
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
```

```
 ::= { pktcEUERSTAutoRclEntry 4 }
```

pktcEUERSTARSpRngRetries OBJECT-TYPE

```

SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION

```

```

    " This MIB Object specifies the number of auto recall special ringing
    retries.

```

```

    This is the number of times to retry special ringing before canceling
    the AR request."

```

```

REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTAutoRclEntry 5 }

pktcEUERSTARMaxSubSend OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the maximum number of simultaneous
      subscribes the EUE should send."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTAutoRclEntry 6 }

pktcEUERSTARMaxSubRec OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the maximum number of simultaneous
      subscriptions the EUE should honor."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTAutoRclEntry 7 }

pktcEUERSTARStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTAutoRclEntry 8 }

-----
-- Pktc EUE RST Auto Callback Feature Profile
-- Ref (PacketCable RST specification): "Auto Callback Feature Data"
-----
pktcEUERSTAutoCbFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 16 }

-- The USER Auto Callback Feature Table

pktcEUERSTAutoCbTable OBJECT-TYPE
SYNTAX      SEQUENCE OF PktcEUERSTAutoCbEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data table represents User-based parameters
      associated with the Auto Callback feature for the
      RST Service."
 ::= { pktcEUERSTAutoCbFeat 1 }

pktcEUERSTAutoCbEntry OBJECT-TYPE
SYNTAX      PktcEUERSTAutoCbEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " Each entry in this data table describes an association
      of a user with an Auto Callback parameter.
      Each entry in this table is stored in volatile memory."
INDEX { pktcEUERSTACbIndex }
 ::= { pktcEUERSTAutoCbTable 1 }

```

```

PktcEUERSTAutoCbEntry ::=
    SEQUENCE {
        pktcEUERSTACbIndex          PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTACbTimer          Unsigned32,
        pktcEUERSTACbSpRngDuration Unsigned32,
        pktcEUERSTACbSpRngRetryTime Unsigned32,
        pktcEUERSTACbSpRngRetries  Unsigned32,
        pktcEUERSTACbMaxSubSend    Unsigned32,
        pktcEUERSTACbMaxSubRec     Unsigned32,
        pktcEUERSTACbStatus        RowStatus
    }

pktcEUERSTACbIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
          value may be provided as data in other objects that
          reference this table."
    ::= { pktcEUERSTAutoCbEntry 1 }

pktcEUERSTACbTimer OBJECT-TYPE
    SYNTAX      Unsigned32 (0..1800)
    UNITS       "seconds"
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the auto callback timer.
          This is seconds of feature duration."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    DEFVAL     {1800}
    ::= { pktcEUERSTAutoCbEntry 2 }

pktcEUERSTACbSpRngDuration OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the auto callback special ring duration.
          This is the number of special ringing ring cycles."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTAutoCbEntry 3 }

pktcEUERSTACbSpRngRetryTime OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the auto callback special ringing retry
          wait interval. This is seconds to wait between attempts to alert
          the user with special ringing."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTAutoCbEntry 4 }

pktcEUERSTACbSpRngRetries OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION

```

```

    " This MIB Object specifies the number of auto callback special ringing
      retries.
      This is the number of times to retry special ringing before canceling
      the AR request."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTAutoCbEntry 5 }

pktcEUERSTACbMaxSubSend OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the maximum number of simultaneous
      subscribes the EUE should send.."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTAutoCbEntry 6 }

pktcEUERSTACbMaxSubRec OBJECT-TYPE
SYNTAX      Unsigned32
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the maximum number of simultaneous
      subscriptions the EUE should honor."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTAutoCbEntry 7 }

pktcEUERSTACbStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTAutoCbEntry 8 }

-----
-- Pktc EUE RST Busy Line Verify Feature Profile
-- Ref (PacketCable RST specification): "Busy Line Verify Feature Data"
-----
pktcEUERSTBusyLineVFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 17 }

-- The NETWORK Busy Line Verify Feature Table

pktcEUERSTNfBusyLineVTable OBJECT-TYPE
SYNTAX      SEQUENCE OF PktcEUERSTNfBusyLineVEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data table represents the network-based Busy Line Verify
      Feature entries"
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTBusyLineVFeat 1 }

pktcEUERSTNfBusyLineVEntry OBJECT-TYPE
SYNTAX      PktcEUERSTNfBusyLineVEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " Each entry in this table represents the Busy Line Verify feature

```

```

        entries. Each entry in this table is stored in volatile memory."
INDEX   {pktcEUEDevOpIndex}
 ::= { pktcEUERSTNfBusyLineVTable 1 }

PktcEUERSTNfBusyLineVEntry ::=
SEQUENCE {
    pktcEUERSTNfBLVOperId  SnmpAdminString,
    pktcEUERSTNfBLVStatus  RowStatus
}

pktcEUERSTNfBLVOperId OBJECT-TYPE
SYNTAX      SnmpAdminString
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object specifies the Busy Line Verify Operator Id."
REFERENCE   "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTNfBusyLineVEntry 1 }

pktcEUERSTNfBLVStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTNfBusyLineVEntry 2 }

-----
-- Pktc EUE RST Emergency Services Feature Profile
-- Ref (PacketCable RST specification): "Emergency Services Feature Data"
-----
pktcEUERSTEmSvcFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 18 }

-- The NETWORK Emergency Services Feature Table

pktcEUERSTNfEmSvcTable OBJECT-TYPE
SYNTAX      SEQUENCE OF PktcEUERSTNfEmSvcEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This data table represents the network-based Emergency Services
      Feature entries"
REFERENCE   "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTEmSvcFeat 1 }

pktcEUERSTNfEmSvcEntry OBJECT-TYPE
SYNTAX      PktcEUERSTNfEmSvcEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " Each entry in this table represents the Emergency Services
      feature entries. Each entry in this table is stored in volatile
      memory."
INDEX      {pktcEUEDevOpIndex}
 ::= { pktcEUERSTNfEmSvcTable 1 }

PktcEUERSTNfEmSvcEntry ::=
SEQUENCE {
    pktcEUERSTNfEmSvcNwHoldTimer  Unsigned32,

```

```

        pktcEUERSTNfEmSvcHowlTimer      Unsigned32,
        pktcEUERSTNfEmSvcDSCPValMedia   Unsigned32,
        pktcEUERSTNfEmSvcDSCPValSig     Unsigned32,
        pktcEUERSTNfEmSvcStatus         RowStatus
    }

pktcEUERSTNfEmSvcNwHoldTimer  OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Emergency Services network hold
          timer in minutes."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    DEFVAL     {45}
    ::= { pktcEUERSTNfEmSvcEntry 1 }

pktcEUERSTNfEmSvcHowlTimer  OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Emergency Services howler
          timer in seconds. "
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    DEFVAL     {3}
    ::= { pktcEUERSTNfEmSvcEntry 2 }

pktcEUERSTNfEmSvcDSCPValMedia  OBJECT-TYPE
    SYNTAX      Unsigned32 (0..63)
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the DSCP Value for network packets
          carrying the Media (RTP) information for Emergency Services."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTNfEmSvcEntry 3 }

pktcEUERSTNfEmSvcDSCPValSig  OBJECT-TYPE
    SYNTAX      Unsigned32 (0..63)
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the DSCP Value for network packets
          carrying the Signaling information for Emergency Services."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTNfEmSvcEntry 4 }

pktcEUERSTNfEmSvcStatus  OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.
          There is no restriction on the ability to change values in this
          row while the row is active.
          A created row can be set to active only after all corresponding
          instances of objects in the row have been set to valid values."
    ::= { pktcEUERSTNfEmSvcEntry 5 }

-----
-- Pktc EUE RST SCF Feature Profile
-- Ref (PacketCable RST specification): "SCF Feature Data"

```

```

-----
pktcEUERSTSCFFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 19 }

-- The USER Call Forwarding Feature Table

pktcEUERSTSCFTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTSCFEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents User-based parameters
          associated with the RST SCF Feature."
    ::= { pktcEUERSTSCFFeat 1 }

pktcEUERSTSCFEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTSCFEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
          of a user with a SCF parameter.
          Each entry in this table is stored in volatile memory."
    INDEX { pktcEUERSTSCFIndex }
    ::= { pktcEUERSTSCFTable 1 }

PktcEUERSTSCFEntry ::=
    SEQUENCE {
        pktcEUERSTSCFIndex          PktcEUEETCRSTAppFeatIndexType,
        pktcEUERSTSCFRingReminder  TruthValue,
        pktcEUERSTSCFAUID          PktcEUEETCRSTAUID,
        pktcEUERSTSCFStatus        RowStatus
    }

pktcEUERSTSCFIndex OBJECT-TYPE
    SYNTAX      PktcEUEETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
          value may be provided as data in other objects that
          reference this table."
    ::= { pktcEUERSTSCFEntry 1 }

pktcEUERSTSCFRingReminder OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the Call Forward Ring Reminder."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    ::= { pktcEUERSTSCFEntry 2 }

pktcEUERSTSCFAUID OBJECT-TYPE
    SYNTAX      PktcEUEETCRSTAUID
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object defines the Application Unique Identifier (AUID)
          for this feature."
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification."
    ::= { pktcEUERSTSCFEntry 3 }

```

```

pktcEUERSTSCFStatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.
          There is no restriction on the ability to change values in this
          row while the row is active.
          A created row can be set to active only after all corresponding
          instances of objects in the row have been set to valid values."
    ::= { pktcEUERSTSCFEntry 4 }

```

```

-----
-- Pktc EUE RST Held Media Feature Profile
-- Ref (PacketCable RST specification): "Held Media Feature Data"
-----

```

```

pktcEUERSTHeldMediaFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 20 }

```

```

-- The USER Held Media Feature Table

```

```

pktcEUERSTHeldMediaTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERSTHeldMediaEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This object represents User-based parameters
          associated with the Held Media Feature."
    ::= { pktcEUERSTHeldMediaFeat 1 }

```

```

pktcEUERSTHeldMediaEntry OBJECT-TYPE
    SYNTAX      PktcEUERSTHeldMediaEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
          of a user with a Held Media parameter.
          Each entry in this table is stored in volatile memory."
    INDEX { pktcEUERSTHeldMediaIndex }
    ::= { pktcEUERSTHeldMediaTable 1 }

```

```

PktcEUERSTHeldMediaEntry ::=
    SEQUENCE {
        pktcEUERSTHeldMediaIndex      PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTHeldMediaEnabled    TruthValue,
        pktcEUERSTHeldMediaStatus     RowStatus
    }

```

```

pktcEUERSTHeldMediaIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
          Values used for this index must be greater than zero
          and are not required to be sequential. This index
          value may be provided as data in other objects that
          reference this table."
    ::= { pktcEUERSTHeldMediaEntry 1 }

```

```

pktcEUERSTHeldMediaEnabled OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-create

```

```

STATUS      current
DESCRIPTION
    " This MIB Object specifies the Held Media Condition
      'true' indicates local held is performed.
      'false' indicates network signaling is used for held media."
REFERENCE "PacketCable Residential SIP Telephony Feature Specification"
 ::= { pktcEUERSTHeldMediaEntry 2 }

pktcEUERSTHeldMediaStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The status of this conceptual row.
      There is no restriction on the ability to change values in this
      row while the row is active.
      A created row can be set to active only after all corresponding
      instances of objects in the row have been set to valid values."
 ::= { pktcEUERSTHeldMediaEntry 3 }

-----
-- Pktc EUE RST Speed Dial Local Map Feature Profile
-- Ref (PacketCable RST specification): "Speed Dialing Feature"
-----
pktcEUERSTSpeedDialLocalMapFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 21 }

-- The USER Speed Dial Local Map Table

pktcEUERSTSpeedDialLocalMapTable OBJECT-TYPE
SYNTAX      SEQUENCE OF PktcEUERSTSpeedDialLocalMapEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This object represents a local speed dial digit map.
      Digits are matched to instances of this object before
      attempting to match digits from digit map."
 ::= { pktcEUERSTSpeedDialLocalMapFeat 1 }

pktcEUERSTSpeedDialLocalMapEntry OBJECT-TYPE
SYNTAX      PktcEUERSTSpeedDialLocalMapEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " The conceptual row of pktcEUERSTSpeedDialLocalMapTable."
REFERENCE "PacketCable RST Feature Specification"
INDEX { pktcEUERSTSpeedDialLocalMapIndex, pktcEUERSTSpeedDialLocalMapId }
 ::= { pktcEUERSTSpeedDialLocalMapTable 1 }

PktcEUERSTSpeedDialLocalMapEntry ::=
    SEQUENCE {
        pktcEUERSTSpeedDialLocalMapIndex
PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTSpeedDialLocalMapId          Unsigned32,
        pktcEUERSTSpeedDialLocalMapCode       SnmpAdminString,
        pktcEUERSTSpeedDialLocalMapDigitString SnmpAdminString,
        pktcEUERSTSpeedDialLocalMapStatus     RowStatus
    }

pktcEUERSTSpeedDialLocalMapIndex OBJECT-TYPE
SYNTAX      PktcEUETCRSTAppFeatIndexType
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION

```

```

    " This key represents the unique identifier of this
      instance. Values used for this index must be greater
      than zero and are not required to be sequential."
 ::= { pktcEUERSTSpeedDialLocalMapEntry 1 }

pktcEUERSTSpeedDialLocalMapId OBJECT-TYPE
    SYNTAX Unsigned32
    MAX-ACCESS not-accessible
    STATUS current
    DESCRIPTION
        " This attribute represent the unique identifier of an instance
          within the scope of a local speed dial list."
 ::= { pktcEUERSTSpeedDialLocalMapEntry 2 }

pktcEUERSTSpeedDialLocalMapCode OBJECT-TYPE
    SYNTAX SnmpAdminString
    MAX-ACCESS read-create
    STATUS current
    DESCRIPTION
        "This attribute represents the one or two digit dialed speed
         call code
         The allowed values are:
         The ASCII code for numbers 2 to 9 for 1-digit speed calling
         The ASCII codes for numbers 20 to 99 for 2-digit speed calling."
    REFERENCE "PacketCable RST Feature Specification"
 ::= { pktcEUERSTSpeedDialLocalMapEntry 3 }

pktcEUERSTSpeedDialLocalMapDigitString OBJECT-TYPE
    SYNTAX SnmpAdminString
    MAX-ACCESS read-create
    STATUS current
    DESCRIPTION
        "This attribute represents the digit string associated
         with the local Speed Dialing code to be matched in the
         user digit map for call processing."
    REFERENCE "PacketCable RST Feature Specification"
 ::= { pktcEUERSTSpeedDialLocalMapEntry 4 }

pktcEUERSTSpeedDialLocalMapStatus OBJECT-TYPE
    SYNTAX RowStatus
    MAX-ACCESS read-create
    STATUS current
    DESCRIPTION
        " The status of this conceptual row.
          There is no restriction on the ability to change values in
          this instance while is active.
          A created instance can be set to active only after all
          corresponding attributes of the object instances have been
          set to valid values."
 ::= { pktcEUERSTSpeedDialLocalMapEntry 5 }

-- -----
-- Pktc EUE RST Hotline Feature Profile
-- Ref (PacketCable RST specification): "Hotline Feature"
-- -----
pktcEUERSTHotlineFeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 22 }

-- The Hot Line Table

pktcEUERSTHotlineTable OBJECT-TYPE

```

```

SYNTAX      SEQUENCE OF PktcEUERSTHotlineEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This object represents the hotline feature."
 ::= { pktcEUERSTHotlineFeat 1 }

pktcEUERSTHotlineEntry OBJECT-TYPE
SYNTAX      PktcEUERSTHotlineEntry
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " The conceptual row of pktcEUERSTHotlineTable."
REFERENCE   "PacketCable RST Feature Specification"
INDEX       { pktcEUERSTHotlineIndex }
 ::= { pktcEUERSTHotlineTable 1 }

PktcEUERSTHotlineEntry ::=
SEQUENCE {
    pktcEUERSTHotlineIndex          PktcEUECTCRSTAppFeatIndexType,
    pktcEUERSTHotlineDestAddress    SnmpAdminString,
    pktcEUERSTHotlineOffhookTimer   Unsigned32,
    pktcEUERSTHotlineStatus         RowStatus
}

pktcEUERSTHotlineIndex OBJECT-TYPE
SYNTAX      PktcEUECTCRSTAppFeatIndexType
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION
    " This key represents the unique identifier of this
    instance. Values used for this index must be greater
    than zero and are not required to be sequential."
 ::= { pktcEUERSTHotlineEntry 1 }

pktcEUERSTHotlineDestAddress OBJECT-TYPE
SYNTAX      SnmpAdminString
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This attribute represents the destination address
    (SIP or TEL URI) where the active hotline feature
    originates a call."
REFERENCE   "PacketCable RST Feature Specification"
 ::= { pktcEUERSTHotlineEntry 2 }

pktcEUERSTHotlineOffhookTimer OBJECT-TYPE
SYNTAX      Unsigned32
UNITS       "seconds"
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This attribute represents the timer for activation of the
    hotline call origination after offhook detection."
REFERENCE   "PacketCable RST Feature Specification"
DEFVAL     { 0 }
 ::= { pktcEUERSTHotlineEntry 3 }

pktcEUERSTHotlineStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION

```

```

    " The status of this conceptual row.
    There is no restriction on the ability to change values in
    this instance while is active.
    A created instance can be set to active only after all
    corresponding attributes of the object instances have been
    set to valid values."
 ::= { pktcEUERSTHotlineEntry 4 }

-----
-- Pktc 3WC Feature Data
-- Ref (PacketCable RST specification): "3WC Feature Data"
-----

pktcEUERST3WCallfeat OBJECT IDENTIFIER ::= { pktcEUERSTFeatures 23 }

pktcEUERST3WCallTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEUERST3WCallEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents User-based parameters
        associated with the 3-way Call for the RST feature."
    ::= { pktcEUERST3WCallfeat 1 }

pktcEUERST3WCallEntry OBJECT-TYPE
    SYNTAX      PktcEUERST3WCallEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes an association
        of a user with a 3-way Call Feature parameter.
        Each entry in this table is stored in volatile memory."
    INDEX { pktcEUERSTCallWaitIndex }
    ::= { pktcEUERST3WCallTable 1 }

PktcEUERST3WCallEntry ::=
    SEQUENCE {
        pktcEUERST3WCallIndex                PktcEUETCRSTAppFeatIndexType,
        pktcEUERST3WCallDisconnectTiming    Unsigned32,
        pktcEUERST3WCallStatus              RowStatus
    }

pktcEUERST3WCallIndex OBJECT-TYPE
    SYNTAX      PktcEUETCRSTAppFeatIndexType
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data element provides an index for the table.
        Values used for this index must be greater than zero
        and are not required to be sequential. This index
        value may be provided as data in other objects that
        reference this table."
    ::= { pktcEUERST3WCallEntry 1 }

pktcEUERST3WCallDisconnectTiming OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " This MIB Object specifies the timer reasume a call with a third
        party being held. The value '0' indicates immediate connect"
    REFERENCE  "PacketCable Residential SIP Telephony Feature Specification"
    DEFVAL { 10 }

```

```

 ::= { pktcEUERST3WCallEntry 2 }

pktcEUERST3WCallStatus OBJECT-TYPE
    SYNTAX      RowStatus
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        " The status of this conceptual row.
          There is no restriction on the ability to change values in this
          row while the row is active."
 ::= { pktcEUERST3WCallEntry 3 }

-----
-- Conformance Information
-----

-- Compliance ActStatements
pktcEUERSTCompliance MODULE-COMPLIANCE
    STATUS      current
    DESCRIPTION
        "The compliance statement for implementations of the RST MIB
        Module."
    MODULE     -- this module
        MANDATORY-GROUPS {
            pktcEUERSTProfileGroup,
            pktcEUERSTBasicCallGroup,
            pktcEUERSTUEStGroup,
            pktcEUERSTNoAnsGroup,
            pktcEUERSTCallerIDGroup,
            pktcEUERSTCallFwdGroup,
            pktcEUERSTCallHoldGroup,
            pktcEUERSTCallTransGroup,
            pktcEUERSTDNDGroup,
            pktcEUERSTMWIGroup,
            pktcEUERSTAutoRecallGroup,
            pktcEUERSTAutoCallbackGroup,
            pktcEUERSTBusyLineGroup,
            pktcEUERSTEMerSvcGroup,
            pktcEUERSTDigitMapGroup,
            pktcEUERSTAppProfileGroup,
            pktcEUERSTSCFProfileGroup,
            pktcEUERSTHeldMediaGroup,
            pktcEUERSTHotlineGroup,
            pktcEUERSTCallWaitGroup,
            pktcEUERST3WCallGroup
        }

GROUP pktcEUERSTAncGroup
DESCRIPTION
    " This group is conditionally OPTIONAL. An EUE MUST implement
      if and only if the MIB Objects of this group if an EUE supports
      the Announcement Feature."

GROUP pktcEUERSTSpeedDialLocalGroup
DESCRIPTION
    " This group is conditionally OPTIONAL and implemented by the EUE
      only if the EUE supports the Speed Dial Local Map feature."

MODULE PKTC-IETF-SIG-MIB -- Group of the MIB Objects from RFC5098
    MANDATORY-GROUPS {
        pktcSigDeviceGroup
    }

```

```

OBJECT pktcSigDevVmwiMode
MIN-ACCESS not-accessible
DESCRIPTION
    " Object not applicable for the EUE."

```

```

OBJECT pktcSigCapabilityType
MIN-ACCESS not-accessible
DESCRIPTION
    " Object not applicable for the EUE."

```

```

OBJECT pktcSigCapabilityVersion
MIN-ACCESS not-accessible
DESCRIPTION
    " Object not applicable for the EUE."

```

```

OBJECT pktcSigCapabilityVendorExt
MIN-ACCESS not-accessible
DESCRIPTION
    " Object not applicable for the EUE."

```

```

OBJECT pktcSigDefNcsReceiveUdpPort
MIN-ACCESS not-accessible
DESCRIPTION
    " Object not applicable for the EUE."

```

```

 ::= { pktcEUERSTCompliances 1 }

```

```

pktcEUERSTDeprecatedCompliance MODULE-COMPLIANCE
STATUS deprecated
DESCRIPTION
    "A placeholder for deprecated objects."
MODULE -- this module

```

```

GROUP pktcEUERSTDeprecated
DESCRIPTION
    " Deprecated list of objects"
 ::= { pktcEUERSTCompliances 2 }

```

```

pktcEUERSTProfileGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTProfileVersion,
    pktcEUERSTKeepAliveSetting
}
STATUS current
DESCRIPTION
    "The EUE RST Profile Group."
 ::= { pktcEUERSTGroups 1}

```

```

pktcEUERSTBasicCallGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTBCallPrefCodecList,
    pktcEUERSTBCallStatus,
    pktcEUERSTNfBCallByeDelay,
    pktcEUERSTNfBCallOrigDTTimer,
    pktcEUERSTNfBCallTermOHErrSig,
    pktcEUERSTNfBCallTermErrSigTimer,
    pktcEUERSTNfBCallPermSeqTone1,
    pktcEUERSTNfBCallPermSeqTimer1,
    pktcEUERSTNfBCallPermSeqTone2,
    pktcEUERSTNfBCallPermSeqTimer2,
    pktcEUERSTNfBCallPermSeqTone3,
    pktcEUERSTNfBCallPermSeqTimer3,

```

```

    pktcEUERSTNfBCallLORTimer,
    pktcEUERSTNfBCallNEMDSCPValueMedia,
    pktcEUERSTNfBCallNEMDSCPValueSig,
    pktcEUERSTNfBCallStatus,
    pktcEUERSTNfBCallOrigModLongIntDig,
    pktcEUERSTNfBCallPermSeqTone4,
    pktcEUERSTNfBCallPermSeqTimer4,
    pktcEUERSTNfBCallOverrideNotifyRejected
}
STATUS current
DESCRIPTION
    "The RST Basic Call Group."
::= { pktcEUERSTGroups 2}

pktcEUERSTAncGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTAncPrefLang,
    pktcEUERSTAncStatus,
    pktcEUERSTNfAncRes,
    pktcEUERSTNfAncDomain,
    pktcEUERSTNfAncPath,
    pktcEUERSTNfAncMIMEType,
    pktcEUERSTNfAncStatus,
    pktcEUERSTNfAncMapURI,
    pktcEUERSTNfAncMapStatus,
    pktcEUERSTNfAncMediaURI,
    pktcEUERSTNfAncMediaCachMaxAge,
    pktcEUERSTNfAncMediaStatus,
    pktcEUERSTNfAncLclMediaData,
    pktcEUERSTNfAncLclMediaType,
    pktcEUERSTNfAncLclMediaStatus
}
STATUS current
DESCRIPTION
    "The RST Announcement Group."
::= { pktcEUERSTGroups 3}

pktcEUERSTUEStGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTUEActStatChgRegExp,
    pktcEUERSTUEActStatChgStatus
}
STATUS current
DESCRIPTION
    "The RST EUE ActStatus Change Group."
::= { pktcEUERSTGroups 4}

pktcEUERSTNoAnsGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTNoAnsTODuration,
    pktcEUERSTNoAnsTOSTatus
}
STATUS current
DESCRIPTION
    "The RST No Answer Timeout Group."
::= { pktcEUERSTGroups 5}

pktcEUERSTCallerIDGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTCIDPPS,
    pktcEUERSTCIDStatus,
    -- CID Display
    pktcEUERSTCIDDisTimeAdj,

```

```

    pktcEUERSTCIDDisDSTFlag,
    pktcEUERSTCIDDisDSTInfo,
    pktcEUERSTCIDDisCNDActStat,
    pktcEUERSTCIDDisCNAMDActStat,
    pktcEUERSTCIDDisDefCountry,
    pktcEUERSTCIDDisStatus,
    pktcEUERSTCIDDisCIDCWActStat,
    -- CID per Blocking
    pktcEUERSTCIDCBlkConfTone,
    pktcEUERSTCIDCBlkErrTone,
    pktcEUERSTCIDCBlkStatus,
    -- CID per Delivery
    pktcEUERSTCIDDelConfTone,
    pktcEUERSTCIDDelErrTone,
    pktcEUERSTCIDDelStatus
}
STATUS current
DESCRIPTION
    "The RST Caller ID Group."
::= { pktcEUERSTGroups 6}

pktcEUERSTCallFwdGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTCallFwdRingReminder,
    pktcEUERSTCallFwdSubDuration,
    pktcEUERSTCallFwdAUID,
    pktcEUERSTCallFwdStatus,
    pktcEUERSTNfCallFwdSpDialTone,
    pktcEUERSTNfCallFwdStatus
}
STATUS current
DESCRIPTION
    "The RST Call Forward Group."
::= { pktcEUERSTGroups 7}

pktcEUERSTCallHoldGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTCHFeatConfirm,
    pktcEUERSTCHStatus
}
STATUS current
DESCRIPTION
    "The RST Call Hold Group."
::= { pktcEUERSTGroups 8}

pktcEUERSTCallTransGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTCXNtfyTimeout,
    pktcEUERSTCXStatus,
    pktcEUERSTCXInDialogRefer,
    pktcEUERSTCXIncomingOnly
}
STATUS current
DESCRIPTION
    "The RST Call Transfer Group."
::= { pktcEUERSTGroups 9}

pktcEUERSTDNDGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTDnDActConfirm,
    pktcEUERSTDnDDeActConfirm,
    pktcEUERSTDnDAUID,

```

```
    pktcEUERSTDnDStatus
  }
  STATUS current
  DESCRIPTION
    "The RST Do Not Disturb Group."
  ::= { pktcEUERSTGroups 10}

pktcEUERSTMWIGroup OBJECT-GROUP
  OBJECTS {
    pktcEUERSTNfmWISubDuration,
    pktcEUERSTNfmWIStatus
  }
  STATUS current
  DESCRIPTION
    "The RST MWI Group."
  ::= { pktcEUERSTGroups 11}

pktcEUERSTAutoRecallGroup OBJECT-GROUP
  OBJECTS {
    pktcEUERSTARTimer,
    pktcEUERSTARSpRngDuration,
    pktcEUERSTARSpRngRetryTime,
    pktcEUERSTARSpRngRetries,
    pktcEUERSTARMaxSubSend,
    pktcEUERSTARMaxSubRec,
    pktcEUERSTARStatus
  }
  STATUS current
  DESCRIPTION
    "The RST Auto Recall Group."
  ::= { pktcEUERSTGroups 13}

pktcEUERSTAutoCallbackGroup OBJECT-GROUP
  OBJECTS {
    pktcEUERSTACbTimer,
    pktcEUERSTACbSpRngDuration,
    pktcEUERSTACbSpRngRetryTime,
    pktcEUERSTACbSpRngRetries,
    pktcEUERSTACbMaxSubSend,
    pktcEUERSTACbMaxSubRec,
    pktcEUERSTACbStatus
  }
  STATUS current
  DESCRIPTION
    "The RST Auto Callback Group."
  ::= { pktcEUERSTGroups 14}

pktcEUERSTBusyLineGroup OBJECT-GROUP
  OBJECTS {
    pktcEUERSTNfBLVOperId,
    pktcEUERSTNfBLVStatus
  }
  STATUS current
  DESCRIPTION
    "The RST Busy Line Verify Group."
  ::= { pktcEUERSTGroups 15}

pktcEUERSTEmerSvcGroup OBJECT-GROUP
  OBJECTS {
    pktcEUERSTNfEmSvcNwHoldTimer,
    pktcEUERSTNfEmSvcHowlTimer,
    pktcEUERSTNfEmSvcDSCPValMedia,
    pktcEUERSTNfEmSvcDSCPValSig,
```

```

    pktcEUERSTNfEmSvcStatus
  }
  STATUS current
  DESCRIPTION
    "The RST Emergency Services Group."
  ::= { pktcEUERSTGroups 16}

pktcEUERSTDigitMapGroup OBJECT-GROUP
  OBJECTS {
    pktcEUERSTDMValue,
    pktcEUERSTDMStatus,
    pktcEUERSTDigitMapVariableName,
    pktcEUERSTDigitMapVariableValue,
    pktcEUERSTDigitMapVariableStatus
  }
  STATUS current
  DESCRIPTION
    "The Digit Map Group."
  ::= { pktcEUERSTGroups 17}

pktcEUERSTAppProfileGroup OBJECT-GROUP
  OBJECTS {
    pktcEUERSTAppFeatID,
    pktcEUERSTAppFeatIndexRef,
    pktcEUERSTAppAdminStat,
    pktcEUERSTAppAdminStatInfo,
    pktcEUERSTAppOperStat,
    pktcEUERSTAppOperStatInfo,
    pktcEUERSTAppStatus
  }
  STATUS current
  DESCRIPTION
    "The App Profile Group."
  ::= { pktcEUERSTGroups 18}

pktcEUERSTSCFProfileGroup OBJECT-GROUP
  OBJECTS {
    pktcEUERSTSCFRingReminder,
    pktcEUERSTSCFAUID,
    pktcEUERSTSCFStatus
  }
  STATUS current
  DESCRIPTION
    "The SCF Profile Group."
  ::= { pktcEUERSTGroups 19}

pktcEUERSTHeldMediaGroup OBJECT-GROUP
  OBJECTS {
    pktcEUERSTHeldMediaEnabled,
    pktcEUERSTHeldMediaStatus
  }
  STATUS current
  DESCRIPTION
    "The Held Media Profile Group."
  ::= { pktcEUERSTGroups 20}

pktcEUERSTSpeedDialLocalGroup OBJECT-GROUP
  OBJECTS {
    pktcEUERSTSpeedDialLocalMapCode,
    pktcEUERSTSpeedDialLocalMapDigitString,
    pktcEUERSTSpeedDialLocalMapStatus
  }
  STATUS current

```

```
DESCRIPTION
    "The Speed Dial Local Profile Group."
 ::= { pktcEUERSTGroups 21}

pktcEUERSTHotlineGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTHotlineDestAddress,
    pktcEUERSTHotlineOffhookTimer,
    pktcEUERSTHotlineStatus
}
STATUS current
DESCRIPTION
    "The Hotline Profile Group."
 ::= { pktcEUERSTGroups 22}

pktcEUERSTCallWaitGroup OBJECT-GROUP
OBJECTS {
    pktcEUERSTCallWaitCancelEnable,
    pktcEUERSTCallWaitStatus,
    pktcEUERSTCallWaitDisconnectTiming
}
STATUS current
DESCRIPTION
    "The Hotline Profile Group."
 ::= { pktcEUERSTGroups 23}

pktcEUERST3WCallGroup OBJECT-GROUP
OBJECTS {
    pktcEUERST3WCallDisconnectTiming,
    pktcEUERST3WCallStatus
}
STATUS current
DESCRIPTION
    "The Hotline Profile Group."
 ::= { pktcEUERSTGroups 24}

pktcEUERSTDeprecated OBJECT-GROUP
OBJECTS {
    pktcEUERSTKeepAlive
}
STATUS deprecated
DESCRIPTION
    "Deprecated MIB objects."
 ::= { pktcEUERSTGroups 25}

END
```

## Annex B PacketCable EDVA Configuration Module

### B.1 E-DVA MIB

```

CL-PKTC-EUE-EDVA-MIB DEFINITIONS ::= BEGIN

IMPORTS
    MODULE-IDENTITY,
    OBJECT-TYPE,
    Integer32,
    Unsigned32
        FROM SNMPv2-SMI
    OBJECT-GROUP,
    MODULE-COMPLIANCE
        FROM SNMPv2-CONF
    TEXTUAL-CONVENTION,
    TruthValue
        FROM SNMPv2-TC
    SnmpAdminString
        FROM SNMP-FRAMEWORK-MIB
    InetAddress,
    InetAddressType
        FROM INET-ADDRESS-MIB
    ifIndex
        FROM IF-MIB
    pktcEUEDeviceMibs
        FROM CLAB-DEF-MIB;

pktcEDVAMIB MODULE-IDENTITY
    LAST-UPDATED "200912140000Z" -- December 14, 2009
    ORGANIZATION "Cable Television Laboratories, Inc."
    CONTACT-INFO
        "Broadband Network Services
        Cable Television Laboratories, Inc.
        858 Coal Creek Circle,
        Louisville, CO 80027, USA
        Phone: +1 303-661-9100
        Email: mibs@cablelabs.com

        Acknowledgements:
        Thomas Clack, Broadcom - Primary author
        Satish Kumar, Texas Instruments,
        Eugene Nechamkin, Broadcom
        Sumanth Channabasappa, CableLabs
        John Berg, CableLabs
        Eduardo Cardona, CableLabs
        and members of the PacketCable 2.0 Provisioning Focus Team."
    DESCRIPTION
        "This MIB module contains configuration MIB
        objects for the PacketCable E-DVA."
    REVISION "200912140000Z" -- December 14, 2009
    DESCRIPTION
        "Revised Version includes ECN RST-EUE-PROV-N-09.0607-3
        and published as part of PKT-SP-RST-EUE-PROV-I04-100120"
    REVISION "200905280000Z" -- May 28, 2009
    DESCRIPTION
        "Revised Version includes ECNs
        RST-EUE-PROV-N-08.0529-5
        RST-EUE-PROV-N-09.0558-3
        and published as part of PKT-SP-RST-EUE-PROV-I03-090528"
    REVISION "200807100000Z" -- July 10, 2008

```

## DESCRIPTION

"Revised Version includes ECN RST-EUE-PROV-N-08.0525-5  
and published as PKT-SP-RST-EUE-PROV-I02-080710"

REVISION "200711060000Z" -- Nov 6, 2007

## DESCRIPTION

"Initial version, published as part of the CableLabs  
RST E-UE Provisioning Specification  
PKT-SP-RST-EUE-PROV-I01-071106  
Copyright 1999-2007 Cable Television Laboratories, Inc.  
All rights reserved."

::= { pktcEUEDeviceMibs 1 }

-----  
-- Pktc EUE EDVA Textual Conventions  
-----

PktcEUE TCLocInfoType ::= TEXTUAL-CONVENTION

STATUS current

## DESCRIPTION

" This TEXTUAL CONVENTION is being defined  
to identify the type of the objects which contain  
the Location Information of PacketCable UEs.  
If the Location Information provided to a UE  
is presented as a Civic Address, then the type  
is 'locInfoCivic(1)'. The format of the object is  
then defined by the RFC4676.  
If the Location Information provided to a UE  
is presented as a Geographic Location, then the type  
is 'locInfoGeo(2)'. The format of the object is  
then defined by the RFC3825."

SYNTAX INTEGER {  
locInfoCivic(1),  
locInfoGeo(2)  
}

PktcEUE TCLocInfo ::= TEXTUAL-CONVENTION

STATUS current

## DESCRIPTION

" This TEXTUAL CONVENTION is being defined  
to be identify the objects which contain  
the Location Information of PacketCable UEs.  
The particular format of the object with the  
Location Information should be defined by the  
additional object with the syntax of  
PktcEUE TCLocInfoType."

SYNTAX OCTET STRING

-- Administrative assignments

pktcEDVANotification OBJECT IDENTIFIER ::= { pktcEDVAMIB 0 }

pktcEDVAObjects OBJECT IDENTIFIER ::= { pktcEDVAMIB 1 }

pktcEDVAConformance OBJECT IDENTIFIER ::= { pktcEDVAMIB 2 }

pktcEDVACompliances OBJECT IDENTIFIER ::= { pktcEDVAConformance 1 }

pktcEDVAGroups OBJECT IDENTIFIER ::= { pktcEDVAConformance 2 }

-----  
-- Profile OID  
-----

pktcEDVAProfile OBJECT IDENTIFIER ::= { pktcEDVAObjects 1 }

```
-----
-- eUE Profile Information
-----
```

```
pktcEDVAProfileVersion OBJECT-TYPE
    SYNTAX      SnmpAdminString(SIZE(0..6))
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        " This MIB Object represents the E-DVA Profile Version for this
          MIB module. The eUE MUST set this MIB Object to a value of '1.0'."
    ::= { pktcEDVAProfile 1 }
```

```
-----
-- Pktc Line Number MIB Object
-----
```

```
pktcEDVALineNumberCount OBJECT-TYPE
    SYNTAX      Unsigned32
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        " This object MUST identify the number of physical, telephony
          endpoints on an E-DVA."
    REFERENCE  "PacketCable RST E-DVA Specification"
    ::= { pktcEDVAObjects 2 }
```

```
-----
-- E-DVA Network Disconnect Signaling Event
-- Ref (PacketCable E-DVA Specification): Network Disconnect Signaling Event
-----
```

```
pktcEDVANetDiscProfile OBJECT IDENTIFIER ::= { pktcEDVAObjects 3 }
```

```
-- The Network Disconnect Signaling Event Table
```

```
pktcEDVANetDiscTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEDVANetDiscEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents the Network Disconnect time
          for each line provided by the E-DVA."
    ::= { pktcEDVANetDiscProfile 1 }
```

```
pktcEDVANetDiscEntry OBJECT-TYPE
    SYNTAX      PktcEDVANetDiscEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes the Network Disconnect
          Time for the associated line."
    INDEX      { ifIndex }
    ::= { pktcEDVANetDiscTable 1 }
```

```
PktcEDVANetDiscEntry ::=
    SEQUENCE {
        pktcEDVANetDisc      Integer32
    }
```

```
pktcEDVANetDisc OBJECT-TYPE
    SYNTAX      Integer32 (0..2000)
    UNITS       "milliseconds"
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
```

```

" This object specifies the time in milliseconds that the E-DVA
must remove DC bias when a call has been cleared by the
network.

A value of zero (0) indicates that the E-DVA MUST NOT remove
DC bias when a call disconnects. The E-DVA MUST implement
this element per the E-DVA specification."
REFERENCE "PacketCable RST E-DVA Specification"
DEFVAL {1000}
::= { pktcEDVANetDiscEntry 1 }

-----
-- E-DVA Answer Supervision Event
-- Ref (PacketCable E-DVA Specification): Answer Supervision Event
-----
pktcEDVAAnsSupProfile OBJECT IDENTIFIER ::= { pktcEDVAObjects 4 }

-- The Answer Supervision Signal Event Table
pktcEDVAAnsSupTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF PktcEDVAAnsSupEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " This data table represents the Answer Supervision
        for each line provided by the E-DVA."
    ::= { pktcEDVAAnsSupProfile 1 }

pktcEDVAAnsSupEntry OBJECT-TYPE
    SYNTAX      PktcEDVAAnsSupEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        " Each entry in this data table describes the Answer Supervision
        for the associated line."
    INDEX      { ifIndex }
    ::= { pktcEDVAAnsSupTable 1 }

PktcEDVAAnsSupEntry ::=
    SEQUENCE {
        pktcEDVAAnsSup      TruthValue
    }

pktcEDVAAnsSup OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        " This object specifies the Answer Supervision state.
        Answer Supervision (also called battery reversal, reverse DC bias,
        or Reverse Loop Current Feed) is signaled when the distant end
        answers a call originated by the CPE. Typically this signal is
        used to notify electronic equipment such as PBXs which have a local
        billing system that a call has been answered. When provisioned to do
        so, the E-DVA may reverse DC bias when a call has been answered.

        The default value for this object is 'false' indicating that
        Answer Supervision is disabled (off).
        The E-DVA MUST implement this element per the PacketCable Residential
        SIP Telephony E-DVA Specification."
    REFERENCE "PacketCable RST E-DVA Specification"
    DEFVAL {false}
    ::= { pktcEDVAAnsSupEntry 1 }

```

```

-----
-- E-DVA DTMF Relay Offer
-- Ref (PacketCable E-DVA Specification): DTMF Relay Offer
-----
pktcEDVADtmfProfile OBJECT IDENTIFIER ::= { pktcEDVAObjects 5 }

pktcEDVADtmfRelay OBJECT-TYPE
    SYNTAX      TruthValue
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        " This MIB Object represents the DTMF Relay status for the E-DVA.

        The E-DVA must support the use of DTMF for both dialed digits
        and for the relay of digits as part of an established session.
        When dialing the DTMF, signaling MUST be collected at the E-DVA.
        The digits are gathered according to the digit map and all digits
        are sent in a single message.

        If the value of this object is 'true' (on), the E-DVA must offer
        DTMF relay within SDP upon session origination.

        The E-DVA MUST implement this element per the PacketCable Residential
        SIP Telephony E-DVA Specification."
    REFERENCE  "PacketCable RST E-DVA Specification"
    DEFVAL    {true}
    ::= { pktcEDVADtmfProfile 1 }

-----
-- E-DVA EndPoint Configuration Profile
-- Ref (PacketCable E-DVA Specification)
-----
pktcEDVAEndPointCfgProfile OBJECT IDENTIFIER ::= { pktcEDVAObjects 6 }

pktcEDVAEndPntConfigTable OBJECT-TYPE
    SYNTAX SEQUENCE OF PktcEDVAEndPntConfigEntry
    MAX-ACCESS not-accessible
    STATUS      current
    DESCRIPTION
        " This table describes configuration data pertaining
        for each end point (telephony line).
        The number of entries in this table represents the
        number of provisioned end points."
    ::= { pktcEDVAEndPointCfgProfile 1 }

pktcEDVAEndPntConfigEntry OBJECT-TYPE
    SYNTAX PktcEDVAEndPntConfigEntry
    MAX-ACCESS not-accessible
    STATUS      current
    DESCRIPTION
        " This Object represents the conceptual row in
        the pktcEDVAEndPntConfigTable.

        Each entry describes the configuration data for
        the associated line."
    INDEX { ifIndex }
    ::= { pktcEDVAEndPntConfigTable 1 }

PktcEDVAEndPntConfigEntry ::=
    SEQUENCE {
        pktcEDVAEndPntDtmfMinPlayOut Unsigned32,
        pktcEDVAEndPntHookState INTEGER,

```

```

        pktcEDVAEndPntFaxDetection TruthValue,
        pktcEDVAEndPntQosPreconditions INTEGER
    }

pktcEDVAEndPntDtmfMinPayout OBJECT-TYPE
    SYNTAX      Unsigned32 (0 | 50..100)
    UNITS       "milliseconds"
    MAX-ACCESS  read-write
    STATUS      current
    DESCRIPTION
        " This object defines the minimum payout time for
        the DTMF digit when IETF RFC 4734 DTMF Relay is used
        for the egress gateway.
        If the value set via this pktcEDVADtmfMinPayout
        object is different from that specified in RFC4734 packet,
        then the MTA MUST use the maximum of the two values.
        The value 0 indicates to use what is specified in
        RFC 4734

        For example:
        If the RFC 4734 packet specifies 23ms and if the object
        pktcEDVADtmfMinPayout is set to 40ms then
        the egress gateway must use a value of 40ms.
        Similarly if the RFC 4734 packet specifies
        60 ms and if the object pktcEDVADtmfMinPayout
        is set to 40ms then the egress gateway must use a
        value of 60ms."
    DEFVAL {50}
    ::= { pktcEDVAEndPntConfigEntry 1}

pktcEDVAEndPntHookState OBJECT-TYPE
    SYNTAX INTEGER {
        onHook (1),
        onHookWithActivity(2),
        offHook (3)
    }
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        " This object indicates the state of an endpoint with respect
        to the hook state and, potentially, to the 'significant
        activities', which should not be interrupted by the
        network operations.

        The E-DVA MUST consider the following activities as significant:
        - tones generated by the end-point in response to an incoming
        SIP requests,
        - loopback tests.

        The E-DVA MUST set the value of this object according
        to the following:

        - onHook(1): when endpoint is 'on hook' and there are
        no 'significant activities' going on this endpoint;

        - onHookWithActivity(2): when endpoint is 'on hook' and
        there is at least one of the 'significant activities' going
        on for this endpoint;

        - offHook(3): when the endpoint is 'off hook'.

        When this object indicates the value of the
        onHookWithActivity(2) or offHook(3), the Management Station

```

```

        has to refrain from initialization of network operations,
        that may interrupt the significant activities on the endpoints."
 ::= { pktcEDVAEndPntConfigEntry 2 }

```

```

pktcEDVAEndPntFaxDetection OBJECT-TYPE

```

```

SYNTAX      TruthValue

```

```

MAX-ACCESS  read-write

```

```

STATUS      current

```

```

DESCRIPTION

```

```

    " This MIB object is used to configure
    the distinctive fax calling tone (CNG) detection feature
    on an MTA endpoint with reference to the analog interface.
    When set to true, the MTA MUST enable the detection
    of CNG tones on the specific endpoint.
    When set to false, the MTA MUST disable the detection
    of CNG tones on the specific endpoint.
    If a connection already exists on the endpoint when this
    MIB Object is modified, then the setting needs to take
    effect on the next connection."

```

```

DEFVAL {false}

```

```

 ::= { pktcEDVAEndPntConfigEntry 3 }

```

```

pktcEDVAEndPntQosPreconditions OBJECT-TYPE

```

```

SYNTAX      INTEGER {

```

```

    required(1),

```

```

    supported(2),

```

```

    disabled(3)

```

```

}

```

```

MAX-ACCESS  read-write

```

```

STATUS      current

```

```

DESCRIPTION

```

```

    " This MIB object is used to configure
    the QoS preconditions for the end point.

```

```

    The QoS precondition procedures are defined in RFC 3312.
    When using QoS preconditions procedures during session
    establishment, the E-DVA MUST assume that the local upstream
    and downstream QoS resources for the session are already
    allocated.

```

```

    When the E-DVA is configured as 'required'
    the E-DVA MUST establish media sessions using the QoS
    preconditions procedures.
    If the remote endpoint does not support QoS preconditions,
    the session establishment fails. Otherwise the communication
    is established using preconditions.

```

```

    When the E-DVA is configured as 'supported'
    the E-DVA MUST establish media sessions using the QoS
    preconditions procedures only when interworking with a
    remote endpoint that requires QoS preconditions to be used
    in order to complete session establishment.
    If the remote endpoint does not require the use of QoS
    preconditions (e.g., remote endpoint does not support QoS
    preconditions or indicates them as optional), then the E-DVA
    MUST establish the communication without using QoS
    preconditions.

```

```

    When the E-DVA is configured as 'disabled'
    the E-DVA MUST NOT use the QoS preconditions procedures during
    session establishment (i.e., acting as if QoS preconditions were
    not supported). If the remote endpoint requires the

```

use of QoS preconditions, then session establishment fails.

Below are the E-DVA application of the preconditions procedures.

Precondition MIB Object value	E-DVA Preconditions strength-tag	Other endpoint Preconditions strength-tag	Call Result
'required'	mandatory	mandatory	P
'required'	mandatory	optional	P
'required'	mandatory	none	CF
'supported'	optional	mandatory	P
'supported'	optional	optional	NP
'supported'	optional	none	NP
'disabled'*	no strength-tag	mandatory	CF
'disabled'*	no strength-tag	optional	NP
'disabled'*	no strength-tag	none	NP

(\*) or E-DVA does not implement preconditions

P Call is established with preconditions  
 NP Call is established without preconditions  
 CF Call Fails

When the E-DVA does not support QoS preconditions, the E-DVA MUST reject SNMP SET operations for this MIB object indicating the SNMP error code 'wrongValue' in the SNMP SET response. When a SET operation is caused by the E-DVA configuration file, the E-DVA MUST ignore the SET operation, report 'passWithWarnings' error code, and register an attempt for SET operation in the ErrorOidTable."

```
DEFVAL {disabled}
 ::= { pktcEDVAEndPntConfigEntry 4}
```

```
-----
-- E-DVA Provisioned Loss Plan
-- Ref (PacketCable E-DVA Specification): Provisioned Loss Plan
-----
```

```
pktcEDVAPrLossProfile OBJECT IDENTIFIER ::= { pktcEDVAObjects 7 }
```

```
-- The Provisioned Loss Plan Table
```

```
pktcEDVAPrLossTable OBJECT-TYPE
  SYNTAX      SEQUENCE OF PktcEDVAPrLossEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
```

```
    " The DVA supports two provisioned loss parameters, one for
      the D/A direction (towards the subscriber) and one for A/D
      direction (from the subscriber) direction. This data table
      represents the loss for each line provided by the E-DVA."
```

```
 ::= { pktcEDVAPrLossProfile 1 }
```

```
pktcEDVAPrLossEntry OBJECT-TYPE
```

```
  SYNTAX      PktcEDVAPrLossEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
```

```
    " The DVA supports two provisioned loss parameters, one for
      the D/A direction (towards the subscriber) and one for A/D
      direction (from the subscriber) direction. This data table
      represents the loss for each line provided by the E-DVA."
```

```

        Each entry in this data table describes the loss
        for the associated line."
INDEX { ifIndex }
 ::= { pktcEDVAPrLossTable 1 }

PktcEDVAPrLossEntry ::=
  SEQUENCE {
    pktcEDVAPrLossDA      Integer32,
    pktcEDVAPrLossAD      Integer32
  }

pktcEDVAPrLossDA OBJECT-TYPE
  SYNTAX      Integer32 (0..12)
  UNITS       "dB"
  MAX-ACCESS  read-write
  STATUS      current
  DESCRIPTION
    " This object specifies the provisioned loss parameter
    for the D/A direction (towards the subscriber) in dB.

    The E-DVA MUST implement this element per the PacketCable Residential
    SIP Telephony E-DVA Specification."
  REFERENCE  "PacketCable RST E-DVA Specification"
  DEFVAL {6}
  ::= { pktcEDVAPrLossEntry 1 }

pktcEDVAPrLossAD OBJECT-TYPE
  SYNTAX      Integer32 (0..12)
  UNITS       "dB"
  MAX-ACCESS  read-write
  STATUS      current
  DESCRIPTION
    " This object specifies the provisioned loss parameter
    for the A/D direction (from the subscriber)in dB.

    The E-DVA MUST implement this element per the PacketCable Residential
    SIP Telephony E-DVA Specification."
  REFERENCE  "PacketCable RST E-DVA Specification"
  DEFVAL {6}
  ::= { pktcEDVAPrLossEntry 2 }

-----
-- MWI Signal Types
-- Ref (PacketCable E-DVA Specification): MWI Signal Types
-----
pktcEDVAMWIProfile OBJECT IDENTIFIER ::= { pktcEDVAObjects 8 }

pktcEDVAMWISignalTypesTable OBJECT-TYPE
  SYNTAX      SEQUENCE OF PktcEDVAMWISignalTypesEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    " This table represents the Signal Types for the Message Waiting
    Indicator (MWI) generated by each line provided by the E-DVA."
  ::= { pktcEDVAMWIProfile 1 }

pktcEDVAMWISignalTypesEntry OBJECT-TYPE
  SYNTAX      PktcEDVAMWISignalTypesEntry
  MAX-ACCESS  not-accessible
  STATUS      current
  DESCRIPTION
    " Each entry in this data table describes the MWI Signal Type
    for the associated line. Each line can use any of the

```

```

        Signal types, defined by the entry, to indicate the MWI."
INDEX { ifIndex }
 ::= { pktcEDVAMWISignalTypesTable 1 }

PktcEDVAMWISignalTypesEntry ::=
  SEQUENCE {
    pktcEDVAMwiOnHook      INTEGER,
    pktcEDVAMwiOffHook    INTEGER
  }

pktcEDVAMwiOnHook OBJECT-TYPE
  SYNTAX      INTEGER {
    mwiFskInd(1),
    mwiDtmfInd(2)
  }
  MAX-ACCESS  read-write
  STATUS      current
  DESCRIPTION
    " This object defines the type of the Message Waiting Indicator (MWI)
      used when the E-DVA is on-hook.

      The value of 'mwiFskInd(1)' indicates that the E-DVA MUST use
      the FSK signal for MWI as defined in PacketCable
      Residential SIP Telephony E-DVA Specification.

      The value of 'mwiDtmfInd(2)' indicates that the E-DVA MUST use
      the DTMF signal for MWI as defined in PacketCable
      Residential SIP Telephony E-DVA Specification."
  REFERENCE  "PacketCable RST E-DVA Specification"
  ::= { pktcEDVAMWISignalTypesEntry 1 }

pktcEDVAMwiOffHook OBJECT-TYPE
  SYNTAX      INTEGER {
    mwiToneInd(1),
    mwiAncInd(2)
  }
  MAX-ACCESS  read-write
  STATUS      current
  DESCRIPTION
    " This object defines the type of the Message Waiting Indicator (MWI)
      used when the E-DVA is off-hook.

      The value of 'mwiToneInd(1)' indicates that the E-DVA MUST use
      the MWI tone on the analog port of the E-DVA when the CPE device
      is off-hook as defined in PacketCable Residential SIP Telephony
      E-DVA Specification.

      The value of 'mwiAncInd(2)' indicates that the E-DVA MUST use
      the MWI voice announcement on the analog port of the E-DVA
      when the CPE device is off-hook as defined in PacketCable
      Residential SIP Telephony E-DVA Specification."
  REFERENCE  "PacketCable RST E-DVA Specification"
  ::= { pktcEDVAMWISignalTypesEntry 2 }

```

```

-----
-- E-DVA CODEC Provisioning
-- Ref (PacketCable E-DVA Specification): E-DVA CODEC Provisioning
-----
pktcEDVACodecProfile OBJECT IDENTIFIER ::= { pktcEDVAObjects 9 }

```

```

pktcEDVACodecPkt OBJECT-TYPE
  SYNTAX      Integer32 (10 | 20 | 30)

```

```

UNITS          "milliseconds"
MAX-ACCESS    read-write
STATUS        current
DESCRIPTION
    " This object specifies the packetization period of any
      codec payload.

      The E-DVA MUST implement this element per the PacketCable Residential
      SIP Telephony E-DVA Specification."
REFERENCE     "PacketCable RST E-DVA Specification"
DEFVAL       {20}
 ::= { pktcEDVACodecProfile 1 }

pktcEDVACodecT38 OBJECT-TYPE
SYNTAX        TruthValue
MAX-ACCESS    read-write
STATUS        current
DESCRIPTION
    " This object specifies whether fax relay is enabled/disabled.
      A value of 'true' (ON) enables fax relay on the E-DVA.

      The E-DVA MUST implement this element per the PacketCable Residential
      SIP Telephony E-DVA Specification."
REFERENCE     "PacketCable RST E-DVA Specification"
DEFVAL       {true}
 ::= { pktcEDVACodecProfile 2 }

pktcEDVACodecV152 OBJECT-TYPE
SYNTAX        TruthValue
MAX-ACCESS    read-write
STATUS        current
DESCRIPTION
    " This object specifies whether modem relay is enabled/disable.
      A value of 'true' (ON) enables modem relay on the E-DVA.

      The E-DVA MUST implement this element per the PacketCable Residential
      SIP Telephony E-DVA Specification."
REFERENCE     "PacketCable RST E-DVA Specification"
DEFVAL       {true}
 ::= { pktcEDVACodecProfile 3 }

pktcEDVACodecPubRepAddrType OBJECT-TYPE
SYNTAX        InetAddressType
MAX-ACCESS    read-write
STATUS        current
DESCRIPTION
    " This object specifies the domain for the address
      specified in pktcEDVACodecPubRepAddr. If the element
      pktcEDVACodecPubRepAddr contains a valid IP address,
      this element MUST be either 'ipv4(1)' or 'ipv6(2)' per
      RFC3291. "
REFERENCE     "PacketCable RST E-DVA Specification"
 ::= { pktcEDVACodecProfile 4 }

pktcEDVACodecPubRepAddr OBJECT-TYPE
SYNTAX        InetAddress
MAX-ACCESS    read-write
STATUS        current
DESCRIPTION
    " This object specifies the network address that receives
      the call statistics report from the E-DVA. Publish reports must
      be sent at the end of each call if enabled.

```

```

    This address is associated with the domain specified in
    pktcEDVACodecPubRepAddrType.

    The E-DVA MUST implement this element per the PacketCable Residential
    SIP Telephony E-DVA Specification."
REFERENCE "PacketCable RST E-DVA Specification"
 ::= { pktcEDVACodecProfile 5 }

pktcEDVACodecRTCPXR OBJECT-TYPE
SYNTAX      TruthValue
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
    " This object specifies if extended reports for the sake of voice
    metrics are included within RTCP packets. A value of 'true' (ON)
    enables RTCP extended reports.

    The E-DVA MUST implement this element per the PacketCable Residential
    SIP Telephony E-DVA Specification."
REFERENCE "PacketCable RST E-DVA Specification"
DEFVAL     {true}
 ::= { pktcEDVACodecProfile 6 }

pktcEDVACodecRTCPRate OBJECT-TYPE
SYNTAX      Integer32 (0..60)
UNITS       "seconds"
MAX-ACCESS  read-write
STATUS      current
DESCRIPTION
    " This object specifies the interval at which RTCP packets are
    sent from the E-DVA. A value of zero for RTCP_RATE disables RTCP
    transmission.

    The E-DVA MUST implement this element per the PacketCable Residential
    SIP Telephony E-DVA Specification."
REFERENCE "PacketCable RST E-DVA Specification"
DEFVAL     {5}
 ::= { pktcEDVACodecProfile 7 }

-----
-- Announcement Types
-----
pktcEDVAAnnounceProfile OBJECT IDENTIFIER ::= { pktcEDVAObjects 10 }

pktcEDVAToneIdentifier OBJECT-TYPE
SYNTAX      OCTET STRING
MAX-ACCESS  read-write
STATUS      deprecated
DESCRIPTION
    " This MIB Object specifies the tone identifier for an E-DVA."
REFERENCE "PacketCable RST E-DVA Specification"
 ::= { pktcEDVAAnnounceProfile 1 }

pktcEDVAAudioAnnounceId OBJECT-TYPE
SYNTAX      OCTET STRING
MAX-ACCESS  read-write
STATUS      deprecated
DESCRIPTION
    " This MIB Object specifies the audio announcement identifier
    for an E-DVA."
REFERENCE "PacketCable RST E-DVA Specification"
 ::= { pktcEDVAAnnounceProfile 2 }

```

```

-----
-- Location Information Profile
-----
pktcEDVALocInfoProfile OBJECT IDENTIFIER ::= { pktcEDVAObjects 11 }

pktcEDVALocationInfoPref OBJECT-TYPE
    SYNTAX PktcEUETCLocInfoType
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        " This object specifies the preference for the format type of
        location information (Presence Information Data Format - Location
        Object, or PIDF-LO) the UE should use in SIP messages if it gets both
        civic and geographic location information via DHCP.
        If only one format of the location information is received by a UE
        via DHCP, then UE MUST ignore this object.
        If this object element is 'locInfoCivic(1)', then the UE MUST use
        the Civic Format of the Location Information.
        If this object element is 'locInfoGeo(2)', then the UE MUST use
        the Geographic Format of the Location Information."
    REFERENCE "PacketCable RST E-DVA Specification"
    ::= { pktcEDVALocInfoProfile 1 }

pktcEDVALocationInfoType OBJECT-TYPE
    SYNTAX PktcEUETCLocInfoType
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        " This object specifies the format of the Location Information supplied
        to the UE and contained in the pktcEDVALocationInfo MIB Object.
        When the location information is delivered to the UE via DHCP,
        the value of this object is defined based on the DHCP Options.
        When the location information is delivered to the UE via
        Configuration File, the value of this object must be also delivered
        in the Configuration File.
        The value of this object can be only changed via Configuration File."
    REFERENCE "PacketCable RST E-DVA Specification"
    ::= { pktcEDVALocInfoProfile 2 }

pktcEDVALocationInfo OBJECT-TYPE
    SYNTAX PktcEUETCLocInfo
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
        " This object contains the Location Information data which specifies
        the location of the UE. The information on the UE location can be
        delivered to the UE via DHCP. In this case, this object contains
        the information delivered via DHCP.

        In cases when the location information cannot be delivered via
        DHCP, the object can be changed from the configuration file only.

        The type of the Location Information and, correspondingly, the
        format of the data in this MIB object is defined by the content
        of the pktcEDVALocationInfoType MIB Object.

        For privacy reasons the UE MUST make not visible the
        pktcEDVALocInfoProfile oid sub-tree in any UE predefined SNMP view
        name. A Manager interested on exposing this object can toggle the
        inclusion of this subtree via configuration."
    REFERENCE "PacketCable RST E-DVA Specification"
    ::= { pktcEDVALocInfoProfile 3 }

```

```

-----
-- Conformance Information
-----

-- Compliance Statements
pktcEDVACompliance MODULE-COMPLIANCE
  STATUS      current
  DESCRIPTION
    "The compliance statement for implementations of the EDVA MIB."

  MODULE      -- This module
    MANDATORY-GROUPS {
      pktcEDVAProfileGroup,
      pktcEDVAGroup
    }

  MODULE      PKTC-EN-SIG-MIB -- Group of the MIB Objects from PC1.5 MIB Module
    MANDATORY-GROUPS {
      pktcEnNcsLVMgmtGroup,
      pktcEnNcsGroup
    }

  OBJECT      pktcEnNcsEndPntQuarantineState
  MIN-ACCESS  not-accessible
  DESCRIPTION
    " Object not applicable for the eUE."

  OBJECT      pktcEnNcsEndPntHookState
  MIN-ACCESS  not-accessible
  DESCRIPTION
    " Object not applicable for the eUE."

  OBJECT      pktcEnNcsEndPntFaxDetection
  MIN-ACCESS  not-accessible
  DESCRIPTION
    " Object not applicable for the eUE."

  ::= { pktcEDVACompliances 1 }

pktcEDVADeprecatedCompliance MODULE-COMPLIANCE
  STATUS      deprecated
  DESCRIPTION
    "The compliance statement for deprecated objects
    of the EDVA MIB."

  MODULE      -- This module
    MANDATORY-GROUPS {
      pktcEDVADeprecatedGroup
    }

  ::= { pktcEDVACompliances 2 }

pktcEDVAProfileGroup OBJECT-GROUP
  OBJECTS {
    pktcEDVAProfileVersion
  }
  STATUS      current
  DESCRIPTION
    "The eUE RST Profile Group."
  ::= { pktcEDVAGroups 1}

```

```
pktcEDVAGroup OBJECT-GROUP
  OBJECTS {
    pktcEDVALineNumberCount,
    pktcEDVANetDisc,
    pktcEDVAAnsSup,
    pktcEDVADtmfRelay,
    pktcEDVAPrLossDA,
    pktcEDVAPrLossAD,
    pktcEDVAMwiOnHook,
    pktcEDVAMwiOffHook,
    pktcEDVACodecPkt,
    pktcEDVACodecT38,
    pktcEDVACodecV152,
    pktcEDVACodecPubRepAddrType,
    pktcEDVACodecPubRepAddr,
    pktcEDVACodecRTPXR,
    pktcEDVACodecRTPRate,
    pktcEDVALocationInfoPref,
    pktcEDVALocationInfoType,
    pktcEDVALocationInfo,
    pktcEDVAEndPntDtmfMinPayout,
    pktcEDVAEndPntHookState,
    pktcEDVAEndPntFaxDetection,
    pktcEDVAEndPntQosPreconditions
  }
  STATUS current
  DESCRIPTION
    "The E-DVA Group."
  ::= { pktcEDVAGroups 2}

pktcEDVADeprecatedGroup OBJECT-GROUP
  OBJECTS {
    pktcEDVAToneIdentifier,
    pktcEDVAAudioAnnounceId
  }
  STATUS deprecated
  DESCRIPTION
    "The E-DVA Group of deprecated objects."
  ::= { pktcEDVAGroups 3}

END
```

## Appendix I      Acknowledgements

CableLabs wishes to thank the PacketCable PACM focus team participants for various contributions and efforts that led to the development of this specification. Specifically:

- Eugene Nechamkin (Broadcom)
- Thomas Clack (Broadcom)
- John Berg (CableLabs)
- Sumanth Channabasappa (CableLabs)
- Josh Littlefield (Cisco)
- Satish Kumar (Texas Instruments)

Special appreciation is extended to Eugene in his role as the primary editor, Josh for revisions to the original draft, and Thomas in his role as the primary MIB author. Appreciation is also extended to John and Satish for their RST data modeling efforts.

*Eduardo Cardona and the PacketCable Architects, CableLabs, Inc.*

## Appendix II Revision History

The following Engineering Change Notices were incorporated into PKT-SP-RST-EUE-PROV-I02-080710.

ECN	Date Accepted	Summary
RST-EUE-PROV-N-08.0506-5	5/27/2008	Updates to the EUE-EDVA MIB
RST-EUE-PROV-N-08.0525-5	5/27/2008	RST EUE MIB Alignment with PacketCable 1.5

The following Engineering Change Notices were incorporated into PKT-SP-RST-EUE-PROV-I03-090528.

ECN	Date Accepted	Summary
RST-EUE-PROV-N-08.0529-5	12/8/2008	Updates to the RST EUE MIBs
RST-EUE-PROV-N-09.0558-3	4/27/2009	Additions and clarifications to RST-EUE-PROV requirements

The following Engineering Change Notices were incorporated into PKT-SP-RST-EUE-PROV-I04-100120.

ECN	Date Accepted	Summary
RST-EUE-PROV-N-09.0607-3	11/30/2009	Clarifications on QoS Preconditions
RST-EUE-PROV-N-09.0608-4	12/14/2009	Enhancements and Clarifications for the RST Provisioning specification

The following Engineering Change Notice was incorporated into PKT-SP-RST-EUE-PROV-I05-100527.

ECN	Date Accepted	Summary
RST-EUE-PROV-N-10.0630-3	4/26/2010	Updates to Speed Dial Local Map configuration

The following Engineering Change Notice was incorporated into PKT-SP-RST-EUE-PROV-I06-110127.

ECN	Date Accepted	Summary
RST-EUE-PROV-N-10.0653-4	1/4/2011	Provisioning impact to diverse number of RST-F

The following Engineering Change Notice was incorporated into PKT-SP-RST-EUE-PROV-I07-120412.

ECN	Date Accepted	Summary
RST-EUE-PROV-N-12.0675-2	3/5/12	MIB Object to control EUE Call Transfer Logic