

Superseded by a later version of this specification

PacketCable™

RST E-UE Provisioning Specification

PKT-SP-RST-EUE-PROV-I06-110127

ISSUED

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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.

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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-I08-110127, January 27, 2011, Cable Television Laboratories, Inc. |
| [EUE-DATA] | PacketCable E-UE Provisioning Data Models Specification, PKT-SP-EUE-DATA-I06-110127, January 27, 2011, Cable Television Laboratories, Inc. |
| [EUE-PROV] | PacketCable E-UE Provisioning Specification, PKT-SP-EUE-PROV-I06-110127, January 27, 2011, Cable Television Laboratories, Inc. |
| [PKT-24.229] | PacketCable SIP and SDP Stage 3 Specification 3GPP TS 24.229, PKT-SP-24.229-I06-100120, January 20, 2010, 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-I08-110127, January 27, 2011, 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:

Cable Modem	A DOCSIS compliant device which provides data transport connectivity from RFI to IP networks.
Configuration	Configuration is the process of defining and propagating data to network elements for providing services.
Data Model	An abstract model that describes representation of data in a system.
eCM	The logical DOCSIS CM component of a E-UE, complies with DOCSIS, eDOCSIS and PacketCable requirements.
Embedded User Equipment	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.
eUE	The logical PacketCable UE component of an E-UE, complies with eSAFE and PacketCable requirements.
E-UE	Embedded User Equipment. A single physical device embedded with an eDOCSIS-compliant DOCSIS Cable Modem and a PacketCable eUE.
Management	Management refers to the protocols, methodologies and interfaces that enable oversight services in a Service Provider Network.
Management Information Base	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.
Network Management	The functions related to the management of data across the network.
Provisioning	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.
Request for Comments	Request for Comments. Technical policy documents approved by the IETF, which are available on the World Wide Web at http://www.ietf.cnri.reston.va.us/rfc.html .

4 ABBREVIATIONS AND ACRONYMS

This specification uses the following abbreviations:

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

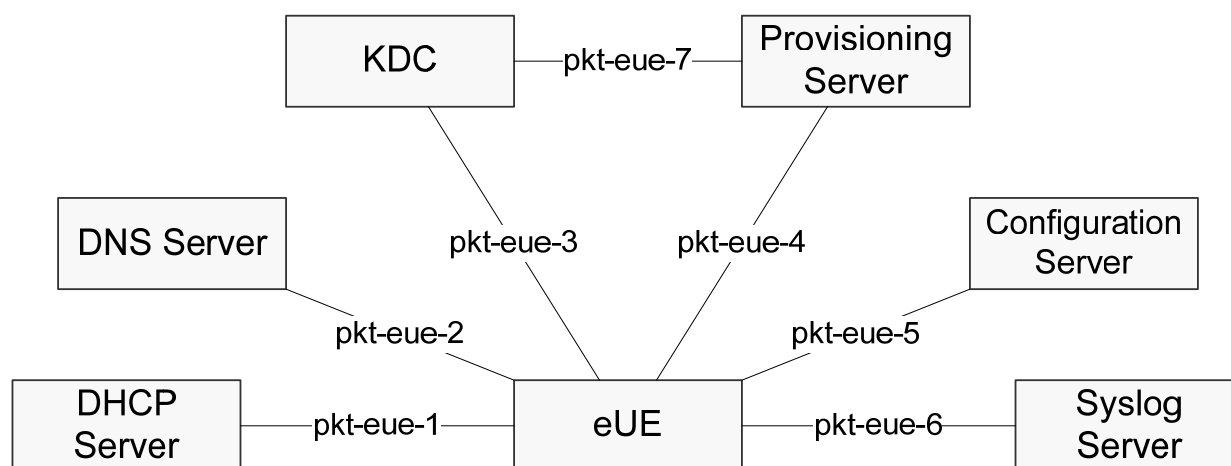


Figure 1 - E-UE Provisioning Components and Interfaces

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 'pktcEUEUsrIMPUPTable'. For more information regarding 'pktcEUEUsrIMPUPTable' 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 'pktcEUEUsrIMPUTable', 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

MIB Object	Value	Observations
pkcEUERSTAppFeatID	ID value	A value in the range 100 to 200
pkcEUERSTAppFeatIndexRef	0	Value zero indicates no linkage with a feature extended configuration table. Operator specific features might define their own extensions outside this specification.
pkcEUERSTAppAdminStat	'active','inactive'	The operator desired operational state of the custom feature
pkcEUERSTAppAdminStatInfo	any text	Per object definition
pkcEUERSTAppOperStat	'active', 'inactive'	Per object definition
pkcEUERSTAppOperStatInfo	zero-length or any text	Not used or vendor specific.
pkcEUERSTAppStatus	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

SnmAdminString
    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 "201101040000Z" -- Jan 4, 2011
ORGANIZATION "Cable Television Laboratories, Inc."
CONTACT-INFO
```

```

    "Broadband Network Services
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```

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    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 "201101040000Z" -- Jan 4, 2011

DESCRIPTION

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DESCRIPTION

"Initial version, published as part of the CableLabs
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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      PktcEUESTAppProfileToFeatEntry
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 { pktcEUESTAppProfileIndex, pktcEUESTAppFeatIndex }
 ::= { pktcEUESTAppProfileToFeatTable 1 }

```

```

PktcEUESTAppProfileToFeatEntry ::=
SEQUENCE {
    pktcEUESTAppProfileIndex      PktcEUETCUsrAppIndexType,
    pktcEUESTAppFeatIndex         PktcEUETCRSTAppFeatIndexType,
    pktcEUESTAppFeatID            PktcRSTTCFeatID,
    pktcEUESTAppFeatIndexRef      PktcEUETCRSTAppFeatIndexType,
    pktcEUESTAppAdminStat         PktcEUETCAdminStatus,
    pktcEUESTAppAdminStatInfo     PktcEUETCStatusInfo,
    pktcEUESTAppOperStat          PktcEUETCOperStatus,
    pktcEUESTAppOperStatInfo      PktcEUETCStatusInfo,
    pktcEUESTAppStatus            RowStatus
}

```

```

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

```

```

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

```

```

pktcEUESTAppFeatID OBJECT-TYPE
SYNTAX      PktcRSTTCFeatID
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " The MIB Object identifies a specific RST
    feature, as specified by PacketCable RST."
 ::= { pktcEUESTAppProfileToFeatEntry 3 }

```

```

pktcEUESTAppFeatIndexRef 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
    pktcEUESTAppFeatID.

    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 {
    pktcEUEERSTDMIndex          PktcEUETCRSTAppFeatIndexType,
    pktcEUEERSTDMValue          OCTET STRING,
    pktcEUEERSTDMStatus         RowStatus
}

pktcEUEERSTDMIndex 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."
    ::= { pktcEUEERSTDigitMapProfileEntry 1 }

pktcEUEERSTDMValue 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"
    ::= { pktcEUEERSTDigitMapProfileEntry 2 }

pktcEUEERSTDMStatus 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."
    ::= { pktcEUEERSTDigitMapProfileEntry 3 }

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

pktcEUEERSTDigitMapVariableEntry OBJECT-TYPE
    SYNTAX      PktcEUEERSTDigitMapVariableEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        "The conceptual row of pktcEUEERSTDigitMapVariableTable."
    INDEX { pktcEUEERSTDigitMapVariableIndex, pktcEUEERSTDigitMapVariableId }
    ::= { pktcEUEERSTDigitMapVariableTable 1 }

PktcEUEERSTDigitMapVariableEntry ::=
    SEQUENCE {
        pktcEUEERSTDigitMapVariableIndex          PktcEUETCRSTAppFeatIndexType,
        pktcEUEERSTDigitMapVariableId             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 pktcEUEERSTKeepAliveSetting."
REFERENCE "PacketCable RST Feature Specification"
 ::= { pktcEUEERSTProfile 4 }

```

pktcEUEERSTKeepAliveSetting 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"
 ::= { pktcEUEERSTProfile 5 }

```

```

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

```

-- The USER Basic-Call Feature Table

```

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

```

```

pktcEUEERSTBasicCallEntry OBJECT-TYPE
SYNTAX PktcEUEERSTBasicCallEntry
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 { pktcEUEERSTBCallIndex }
 ::= { pktcEUEERSTBasicCallTable 1 }

```

```

PktcEUEERSTBasicCallEntry ::=
    SEQUENCE {
        pktcEUEERSTBCallIndex      PktcEUEETCRSTAppFeatIndexType,
        pktcEUEERSTBCallPrefCodecList
        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"
 ::= { pktcEUESTAncEntry 2 }

pktcEUESTAncStatus 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."
 ::= { pktcEUESTAncEntry 3 }

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

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

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

PktcEUESTNfAncEntry ::=
    SEQUENCE {
        pktcEUESTNfAncRes          Uri,
        pktcEUESTNfAncDomain       SnmpAdminString,
        pktcEUESTNfAncPath         Uri,
        pktcEUESTNfAncMIMEType     SnmpAdminString,
        pktcEUESTNfAncStatus       RowStatus
    }

pktcEUESTNfAncRes 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"
 ::= { pktcEUESTNfAncEntry 1 }

pktcEUESTNfAncDomain 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"
::= { pktcEUESTNfAncEntry 2 }

```

```

pktcEUESTNfAncPath 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"
::= { pktcEUESTNfAncEntry 3 }

```

```

pktcEUESTNfAncMIMeType 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"
::= { pktcEUESTNfAncEntry 4 }

```

```

pktcEUESTNfAncStatus 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."
::= { pktcEUESTNfAncEntry 5 }

```

```

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

```

```

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

```

```

pktcEUESTNfAncMapEntry OBJECT-TYPE
SYNTAX      PktcEUESTNfAncMapEntry
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, pktcEUESTNfAncMapRspCode}
::= { pktcEUESTNfAncMapTable 1 }

```

```

PktcEUESTNfAncMapEntry ::=
    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          PktcEUEtCRSTAppFeatIndexType,
        pktcEuerstCIDDisCNDActStat     TruthValue,
        pktcEuerstCIDDisCNAMDActStat   TruthValue,
        pktcEuerstCIDDisDefCountry     SnmpAdminString,
        pktcEuerstCIDDisStatus         RowStatus,
        pktcEuerstCIDDisCIDCWActStat   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 (CNAM)."
    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 }

pktcEUERSTCIDDisCIDCWActStat 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 day light savings time. When set to 'false' the eUE MUST NOT make any daylight Time Saving adjustment.
This attribute is ignored when pktcEUESTCIDDIsDSTInfo is not the zero-length string."

```

DEFVAL { true }
::= { pktcEUESTCIDDIsFeat 3 }

pktcEUESTCIDDIsDSTInfo 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
        pktcEUESTCIDDIsDSTFlag and pktcEUESTCIDDIsTimeAdj

        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."
    ::= { pktcEUESTCIDDIsFeat 4 }

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

-- The USER Caller Call Block Feature Table

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

pktcEUESTCIDCallBlkEntry OBJECT-TYPE
    SYNTAX      PktcEUESTCIDCallBlkEntry
    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 }

pktcEUERSTCIDBlkConfTone 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 }

pktcEUERSTCIDBlkErrTone 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 }

pktcEUERSTCIDBlkStatus 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 }

pktcEUERSTCallFwdAUDID OBJECT-TYPE
SYNTAX      PktcEUETCRSTAUDID
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION
    " This MIB Object defines the Application Unique Identifier (AUDID)
      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."
    ::= { pktcEUESTCallHoldEntry 1 }

pktcEUESTCHFeatConfirm 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"
    ::= { pktcEUESTCallHoldEntry 2 }

pktcEUESTCHStatus 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."
    ::= { pktcEUESTCallHoldEntry 3 }

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

-- The USER Call Transfer Feature Table

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

pktcEUESTCallXfrEntry OBJECT-TYPE
    SYNTAX      PktcEUESTCallXfrEntry
    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 { pktcEUESTCXIndex }
    ::= { pktcEUESTCallXfrTable 1 }

PktcEUESTCallXfrEntry ::=
    SEQUENCE {
        pktcEUESTCXIndex          PktcEUESTCRSTAppFeatIndexType,
        pktcEUESTCXNtfyTimeout    Unsigned32,
        pktcEUESTCXStatus         RowStatus,
        pktcEUESTCXInDialogRefer  TruthValue
    }

pktcEUESTCXIndex OBJECT-TYPE
    SYNTAX      PktcEUESTCRSTAppFeatIndexType
    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 }

-- -----
-- 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 a 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 a 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"
::= { pktcEUERSTNfBusyLineVFeat 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          PktcEUETCRSTAppFeatIndexType,
        pktcEUERSTSCFRingReminder   TruthValue,
        pktcEUERSTSCFAUID           PktcEUETCRSTAUID,
        pktcEUERSTSCFStatus         RowStatus
    }

pktcEUERSTSCFIndex 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."
    ::= { 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      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."
    ::= { 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 pktcSigDevVmwMode
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,

```

```
        pktcEUESTNfAncLclMediaStatus
    }
    STATUS current
    DESCRIPTION
        "The RST Announcement Group."
    ::= { pktcEUESTGroups 3}

pktcEUESTUEStGroup OBJECT-GROUP
    OBJECTS {
        pktcEUESTUEActStatChgRegExp,
        pktcEUESTUEActStatChgStatus
    }
    STATUS current
    DESCRIPTION
        "The RST EUE ActStatus Change Group."
    ::= { pktcEUESTGroups 4}

pktcEUESTNoAnsGroup OBJECT-GROUP
    OBJECTS {
        pktcEUESTNoAnsTODuration,
        pktcEUESTNoAnsTOSStatus
    }
    STATUS current
    DESCRIPTION
        "The RST No Answer Timeout Group."
    ::= { pktcEUESTGroups 5}

pktcEUESTCallerIDGroup OBJECT-GROUP
    OBJECTS {
        pktcEUESTCIDPPS,
        pktcEUESTCIDStatus,
        -- CID Display
        pktcEUESTCIDDisTimeAdj,
        pktcEUESTCIDDisDSTFlag,
        pktcEUESTCIDDisDSTInfo,
        pktcEUESTCIDDisCNDActStat,
        pktcEUESTCIDDisCNAMActStat,
        pktcEUESTCIDDisDefCountry,
        pktcEUESTCIDDisStatus,
        pktcEUESTCIDDisCIDCWActStat,
        -- CID per Blocking
        pktcEUESTCIDCBlkConfTone,
        pktcEUESTCIDCBlkErrTone,
        pktcEUESTCIDCBlkStatus,
        -- CID per Delivery
        pktcEUESTCIDDelConfTone,
        pktcEUESTCIDDelErrTone,
        pktcEUESTCIDDelStatus
    }
    STATUS current
    DESCRIPTION
        "The RST Caller ID Group."
    ::= { pktcEUESTGroups 6}

pktcEUESTCallFwdGroup OBJECT-GROUP
    OBJECTS {
        pktcEUESTCallFwdRingReminder,
        pktcEUESTCallFwdSubDuration,
        pktcEUESTCallFwdAUID,
        pktcEUESTCallFwdStatus,
        pktcEUESTNfCallFwdSpDialTone,
        pktcEUESTNfCallFwdStatus
    }
    STATUS current
    DESCRIPTION
        "The RST Call Forward Group."
    ::= { pktcEUESTGroups 7}
```

```

pktcEUEIRSTCallHoldGroup OBJECT-GROUP
  OBJECTS {
    pktcEUEIRSTCHFeatConfirm,
    pktcEUEIRSTCHStatus
  }
  STATUS current
  DESCRIPTION
    "The RST Call Hold Group."
  ::= { pktcEUEIRSTGroups 8}

pktcEUEIRSTCallTransGroup OBJECT-GROUP
  OBJECTS {
    pktcEUEIRSTCXNtfyTimeout,
    pktcEUEIRSTCXStatus,
    pktcEUEIRSTCXInDialogRefer,
    pktcEUEIRSTCXNtfyTimeout
  }
  STATUS current
  DESCRIPTION
    "The RST Call Transfer Group."
  ::= { pktcEUEIRSTGroups 9}

pktcEUEIRSTDNDGroup OBJECT-GROUP
  OBJECTS {
    pktcEUEIRSTDnDActConfirm,
    pktcEUEIRSTDnDDeActConfirm,
    pktcEUEIRSTDnDAUID,
    pktcEUEIRSTDnDStatus
  }
  STATUS current
  DESCRIPTION
    "The RST Do Not Disturb Group."
  ::= { pktcEUEIRSTGroups 10}

pktcEUEIRSTMWIGroup OBJECT-GROUP
  OBJECTS {
    pktcEUEIRSTNfmWISubDuration,
    pktcEUEIRSTNfmWIStatus
  }
  STATUS current
  DESCRIPTION
    "The RST MWI Group."
  ::= { pktcEUEIRSTGroups 11}

pktcEUEIRSTAutoRecallGroup OBJECT-GROUP
  OBJECTS {
    pktcEUEIRSTARTimer,
    pktcEUEIRSTARSpRngDuration,
    pktcEUEIRSTARSpRngRetryTime,
    pktcEUEIRSTARSpRngRetries,
    pktcEUEIRSTARMaxSubSend,
    pktcEUEIRSTARMaxSubRec,
    pktcEUEIRSTARStatus
  }
  STATUS current
  DESCRIPTION
    "The RST Auto Recall Group."
  ::= { pktcEUEIRSTGroups 13}

pktcEUEIRSTAutoCallbackGroup OBJECT-GROUP
  OBJECTS {
    pktcEUEIRSTACbTimer,
    pktcEUEIRSTACbSpRngDuration,
    pktcEUEIRSTACbSpRngRetryTime,
    pktcEUEIRSTACbSpRngRetries,
    pktcEUEIRSTACbMaxSubSend,

```

```
        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

```

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```

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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
-----

PktcEUETCLocInfoType ::= 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)
    }

PktcEUETCLocInfo ::= 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
        PktcEUETCLocInfoType."
    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 {
    pktcEDVAEndPntDtmfMinPayout 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 precondition 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 precondition 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 precondition 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 precondition 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
-----
pktcEDVAMWIPrLossEntry 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."
  ::= { pktcEDVAMWIPrLossEntry 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 PkctcEUETCLocInfoType
    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 PkctcEUETCLocInfoType
    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 PkctcEUETCLocInfo
    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,
    pktcEDVACodecRTCPXR,
    pktcEDVACodecRTCPRate,
    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

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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	12/8/08	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	1/4/11	Provisioning impact to diverse number of RST-F