draft-perreault-sunset4-cgn-mib-00

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Context

- NAT MIB work ongoing in BEHAVE
- We have been told by the powers that be:
  - Generic NAT stuff goes in BEHAVE
  - CGN-specific stuff goes in SUNSET4
- Outcome:
  - NAT MIB split in two parts
  - This draft builds on top of the NAT MIB draft in BEHAVE and contains CGN features only
CGN Features

- Per-subscriber stuff
  - Counters
  - Limits
  - Notifications
- Limit on the number of active subscribers
- Notification when limit is exceeded
Subscriber stuff

NatSubscribersTableEntry ::= SEQUENCE {
    natSubscriberIdentifierType InetAddressType,
    natSubscriberIdentifier InetAddress,
    natSubscriberIntPrefixType InetAddressType,
    natSubscriberIntPrefix InetAddress,
    natSubscriberIntPrefixLength InetAddressPrefixLength,
    natSubscriberPool NatPoolIndex,
    natSubscriberCntTranslates Counter64,
    natSubscriberCntOOP Counter64,
    natSubscriberCntResource Counter64,
    natSubscriberCntStateMismatch Counter64,
    natSubscriberCntQuota Counter64,
    natSubscriberCntMappings Gauge32,
    natSubscriberCntMapCreations Counter64,
    natSubscriberCntMapRemovals Counter64,
    natSubscriberLimitMappings Unsigned32,
    natSubscriberMapNotifyThresh Unsigned32
}
To-Do

• Tidy up
• Anything else?
• Get reviews!
• Adopt?