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-- file: nmserveras400.mib
--
-- This file contains all of the NMServer for AS/400 MIBs.  These MIBs
-- were previously contained in the following files: comtek.mib, cmtka4v2.mib,
-- comtektp.mib, cmtkcmn.mib and cmtkgenq.mib.  These MIBs were collapsed into
-- this single file in order to simplify loading the MIBs, no functional changes
-- have been made to the MIBs.
--
-- formerly file: comtek.mib
--
-- COMTEK Services, Inc.
-- Date      March 2006
-- Author    JS
--
-- Copyright 1994-2006 COMTEK Services, Inc.  All Rights Reserved.
--
-- This COMTEK Services SNMP Management Information Base Specification
-- (Specification) embodies COMTEK Services' confidential and
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-- title and ownership in the Specification, including any
-- revisions.
--
-- This Specification is supplied "AS IS," and COMTEK Services makes
-- no warranty, either express or implied, as to the use,
-- operation, condition, or performance of the Specification.
--

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COMTEKA4-MIB DEFINITIONS ::= BEGIN
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IMPORTS
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enterprises FROM RFC1155-SMI
DisplayString FROM RFC1213-MIB
OBJECT-TYPE FROM RFC-1212
TRAP-TYPE FROM RFC-1215;

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comtek OBJECT IDENTIFIER ::= { enterprises 597 }
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comtekvosMib OBJECT IDENTIFIER ::= { comtek 1 }
comtekvosAgent OBJECT IDENTIFIER ::= { comtek 2 }
comtekos400Mib OBJECT IDENTIFIER ::= { comtek 3 }
comtekVms OBJECT IDENTIFIER ::= { comtek 4 }
comtekos400 OBJECT IDENTIFIER ::= { comtek 5 }

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-- SUBAGENT DEFINITIONS
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comtekSubagent OBJECT IDENTIFIER ::= { comtek 100 }
sampleMib OBJECT IDENTIFIER ::= { comtek 101 }
sampleSubagent OBJECT IDENTIFIER ::= { comtek 102 }

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-- VOS Subagents:
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-- OS/400 Subagents:
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os400cmn OBJECT IDENTIFIER ::= { comtekos400 1 }
os400genericQmonitor OBJECT IDENTIFIER ::= { comtekos400 2 }

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-- OpenVMS Subagents:
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-- Note: The following pairs of object identifiers must match the values
-- in by the subagent code.  These numbers uniquely identify the MIB and
-- subagent.  Object identifiers for new subagents and their corresponding
-- MIBs should be added to the end of this list.

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comtekVmsNMMasterMib OBJECT IDENTIFIER ::= { comtekVms 1 }
comtekVmsNMMasterAgent OBJECT IDENTIFIER ::= { comtekVms 2 }
comtekVmsNMSysMgrMib OBJECT IDENTIFIER ::= { comtekVms 3 }
comtekVmsNMSysMgrSubagent OBJECT IDENTIFIER ::= { comtekVms 4 }
comtekVmsNMTrpMgrMib OBJECT IDENTIFIER ::= { comtekVms 5 }
comtekVmsNMTrpMgrSubagent OBJECT IDENTIFIER ::= { comtekVms 6 }
comtekVmsNMConsoleMib OBJECT IDENTIFIER ::= { comtekVms 7 }
comtekVmsNMConsoleSubagent OBJECT IDENTIFIER ::= { comtekVms 8 }
comtekVmsNMOpcomMib OBJECT IDENTIFIER ::= { comtekVms 13 }
comtekVmsNMOpcomSubagent OBJECT IDENTIFIER ::= { comtekVms 14 }
comtekVmsNMVmsMonMib OBJECT IDENTIFIER ::= { comtekVms 15 }
comtekVmsNMVmsMonSubagent OBJECT IDENTIFIER ::= { comtekVms 16 }

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-- formerly file: cmtka4v2.mib

resources OBJECT IDENTIFIER ::= { comtekos400Mib 1 }

os400 OBJECT IDENTIFIER ::= { resources 1 }

os400SysName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "OS/400 system name. "
    ::= { os400 1 }

os400SysModel OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "OS/400 system model. "
    ::= { os400 2 }

os400NumQHHistoryEntries OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The number of entries in the subagent's QHST table
        (os400QHHistoryTable). The QHST table has a maximum
        of 100 entries. "
    ::= { os400 3 }

os400QHHistoryTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Os400QHHistoryTableEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "A simplified version of what is read from the
        QHST file. The MIB variable qhistWaitTime specifies
        how often the QHST file is reread for new entries.
        This table contains the most recent 100 entries read
        from the QHST file. "
    ::= { os400 4 }

os400QHHistoryTableEntry OBJECT-TYPE
    SYNTAX Os400QHHistoryTableEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "A row in the QHST table. "
    INDEX {os400QHHistoryRowNumber}
    ::= { os400QHHistoryTable 1 }

Os400QHHistoryTableEntry ::= SEQUENCE {
    os400QHHistoryRowNumber INTEGER,
    os400HstMessage DisplayString
}

os400QHHistoryRowNumber OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The row number of the QHST table. This value is used as
        the index into the os400QHHistoryTable. "
    ::= { os400QHHistoryTableEntry 1 }

os400HstMessage OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The text of the QHST entry. "
    ::= { os400QHHistoryTableEntry 2 }

os400UtcOffset OBJECT-TYPE

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SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The UTC (or GMT) offset for the location of this AS/400.
             The format is + or - followed by HHMM where HH denotes
             hours and MM denotes minutes."
::= { os400 5 }

cpu OBJECT IDENTIFIER ::= { resources 2 }

cpuPercentProcessUnitUsed OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The average of the elapsed time during which the processing
            units were in use. This value is expressed in tenths of a
            percent. For example, a value of 411 would indicate 41.1%.

            When this value exceeds the threshold specified by the MIB
            variable cpuThreshold, a cpuExcessive trap is generated.
            While CPU utilization continues to exceed the cpuThreshold
            value, the cpuExcessive trap is repeated every <n> times the
            CPU utilization statistics are gathered. <n> is specified
            by the cpuResendPeriod MIB variable. "
::= { cpu 1 }

cpuJobsInSys OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The total number of user jobs and system jobs that are
            currently in the system. The total includes: all jobs on
            queues waiting to be processed, all jobs currently active
            (being processed), and all jobs that have completed running
            but still have output on output queues to be produced. "
::= { cpu 2 }

cpuPercentPermAddresses OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "Percentage of the maximum possible addresses for permanent
            objects that have been used. This value is expressed in
            thousandths of a percent. For example, a value of 44123 would
            indicate 44.123% "
::= { cpu 3 }

cpuPercentTempAddresses OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "Percentage of the maximum possible addresses for temporary
            objects that have been used. This value is expressed in
            thousandths of a percent. For example, a value of 44123 would
            indicate 44.123% "
::= { cpu 4 }

cpuSystemASP OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The storage capacity of the system auxiliary storage pool
            (ASP). When OS/400 checksum protection is in effect, this is
            the amount of space available for the storage of protected
            data only. Otherwise this represents the amount of space
            available for storage of both protected and unprotected data.
            This value is in millions of bytes. "
::= { cpu 5 }

cpuPercentSystemASP OBJECT-TYPE
SYNTAX INTEGER

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ACCESS read-only
STATUS mandatory
DESCRIPTION "Percentage of system storage pool currently in use. When
  OS/400 checksum protection is in effect, this percentage
  refers only to protected storage currently in use.
  Otherwise, it is the percentage of the total system storage
  pool currently in use. This value is expressed in ten-
  thousandths of a percent. For example, 44123 would indicate
  4.4123%.

  When this value exceeds the threshold specified by the MIB
  variable diskFullThreshold, a diskFull trap is generated.
  While disk utilization continues to exceed the diskFullThreshold
  value, the diskFull trap is repeated every <n> times the
  disk utilization statistics are gathered. <n> is specified by
  the diskResendPeriod MIB variable. "
::= { cpu 6 }

cpuTotalAuxStorage OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "Total auxiliary storage (in millions of bytes) on the system. "
  ::= { cpu 7 }

cpuTotalUnprotStorageUsed OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The current amount of storage in use for temporary objects
    and machine data that are stored in unprotected storage
    when OS/400 checksum protection is in effect. This is used
    in conjunction with maximum unprotected storage to determine
    how much unprotected storage should be reserved when checksum
    protection is started. This value is in millions of bytes. "
  ::= { cpu 8 }

cpuMaximumUnprotStorageUsed OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The largest amount of storage (for temporary objects and
    machine data that are stored in unprotected storage when
    checksum protection is in effect) used at any one time since
    the last IPL. This value is in millions of bytes. "
  ::= { cpu 9 }

cpuNumberPoolTableEntries OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The number of system pools allocated when the information
    was gathered. There is one pool table entry for each pool. "
  ::= { cpu 10 }

cpuPoolTable OBJECT-TYPE
  SYNTAX SEQUENCE OF CpuPoolTableEntry
  ACCESS not-accessible
  STATUS mandatory
  DESCRIPTION "There is one pool table for each system pool. "
  ::= { cpu 11 }

cpuPoolTableEntry OBJECT-TYPE
  SYNTAX CpuPoolTableEntry
  ACCESS not-accessible
  STATUS mandatory
  DESCRIPTION "This is a table of CPU pool information. "
  INDEX {cpuPoolindex}
  ::= { cpuPoolTable 1 }

CpuPoolTableEntry ::= SEQUENCE {

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cpuPoolindex          INTEGER,
maxActiveJobs         INTEGER,
activeToWait          INTEGER,
waitToIneligible      INTEGER,
activeToIneligible    INTEGER,
poolName              DisplayString,
subsystemName         DisplayString,
subsystemLibraryName DisplayString
    }

cpuPoolindex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION "Location in CPU pool table. "
    ::= { cpuPoolTableEntry 1 }

maxActiveJobs OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION "Maximum number of jobs that can be active in the pool
    at any one time. "
    ::= { cpuPoolTableEntry 2 }

activeToWait OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION "The rate (in tenths), in transactions per minute, of
    transitions of jobs from an active condition to a wait
    condition. For example, a value of 123 would indicate
    a rate of 12.3 transactions per minute. "
    ::= { cpuPoolTableEntry 3 }

waitToIneligible OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION "The rate (in tenths), in transactions per minute, of
    transitions of jobs from a waiting condition to an
    ineligible condition. For example, a value of 123 would
    indicate a rate of 12.3 transactions per minute. "
    ::= { cpuPoolTableEntry 4 }

activeToIneligible OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION "The rate (in tenths), in transactions per minute, of
    transitions of jobs from an active condition to an
    ineligible condition. For example, a value of 123 would
    indicate a rate of 12.3 transactions per minute. "
    ::= { cpuPoolTableEntry 5 }

poolName OBJECT-TYPE
    SYNTAX  DisplayString(SIZE(10))
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION "The name of this storage pool. The name may be a number,
    in which case it is a private pool associated with a subsystem.
    The following special values may be returned: *MACHINE, *BASE,
    *INTERACT *SPOOL, or *SHRPOOL1-*SHRPOOL10. "
    ::= { cpuPoolTableEntry 6 }

subsystemName OBJECT-TYPE
    SYNTAX  DisplayString(SIZE(10))
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION "The subsystem with which this storage pool is associated.
    This field will be blank for shared pools. "

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 ::= { cpuPoolTableEntry 7 }

subsystemLibraryName OBJECT-TYPE
    SYNTAX DisplayString(SIZE(10))
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The library containing the subsystem description. This
        field will be blank for shared pools. "
    ::= { cpuPoolTableEntry 8 }

disk OBJECT IDENTIFIER ::= { resources 3 }

diskSystemNumberEntries OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "Number of entries in disk system table (diskSystemTable). "
    ::= { disk 1 }

diskSystemTable OBJECT-TYPE
    SYNTAX SEQUENCE OF DiskSystemEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "Table of disk system statistics. "
    ::= { disk 2 }

diskSystemEntry OBJECT-TYPE
    SYNTAX DiskSystemEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "Disk system table structure. "
    INDEX {diskSystemIndex}
    ::= { diskSystemTable 1 }

DiskSystemEntry ::= SEQUENCE {
    diskSystemIndex    INTEGER,
    diskNumber         INTEGER,
    diskSpace          INTEGER,
    diskSpaceUsed      INTEGER,
    diskPercentBusy    INTEGER,
    diskPercentUsed    INTEGER,
    diskIoRequests     INTEGER,
    diskRequestSize    INTEGER,
    diskReadRequests   INTEGER,
    diskWriteRequests  INTEGER,
    diskReadK          INTEGER,
    diskWriteK         INTEGER
}

diskSystemIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "Location in table. "
    ::= { diskSystemEntry 1 }

diskNumber OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The disk unit identifier is the same number used by the
        display disk configuration function of the OS/400
        system service tools. If the disk unit identifier is 0,
        the disk unit is not configured. "
    ::= { diskSystemEntry 2 }

diskSpace OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The total amount of storage that the unit can contain in

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millions of bytes. When the checksum protection provided by OS/400 system software is on, this is the protected storage. "

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::= { diskSystemEntry 3 }
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diskSpaceUsed OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The percentage of the disk that is currently allocated.
When the checksum protection provided by OS/400 system
software is on, this is the percentage of protected storage
that is currently allocated. This value is expressed in
tenths of a percent. For example, the value 455 would
indicate 45.5%. "
::= { diskSystemEntry 4 }
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```
diskPercentBusy OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The estimated percentage of time that the disk unit is
being used during the elapsed time. This estimate is based
on the number of I/O requests, the amount of data transferred,
and the performance characteristics of the type of disk unit.
This value is expressed in tenths of a percent. For example,
the value 455 would indicate 45.5%. "
::= { diskSystemEntry 5 }
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diskPercentUsed OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The estimated percentage (in tenths) of disk space used. "
::= { diskSystemEntry 6 }
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```
diskIoRequests OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The number of I/O requests on this disk. "
::= { diskSystemEntry 7 }
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diskRequestSize OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The disk request size. "
::= { diskSystemEntry 8 }
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```
diskReadRequests OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The number of disk read requests. "
::= { diskSystemEntry 9 }
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```
diskWriteRequests OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The number of disk write requests. "
::= { diskSystemEntry 10 }
```

```
diskReadK OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The amount of data read in Kilobytes (KB). "
::= { diskSystemEntry 11 }
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diskWriteK OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The amount of data written in Kilobytes (KB). "
  ::= { diskSystemEntry 12 }

userStatistics OBJECT IDENTIFIER ::= { resources 4 }

usersSignedOn OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The number of users currently signed on. "
  ::= { userStatistics 1 }

usersDisconnected OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The number of users temporarily signed off (disconnected). "
  ::= { userStatistics 2 }

usersSuspBySysReq OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The number of users suspended by system request. "
  ::= { userStatistics 3 }

usersSuspByGrpRJobs OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The number of users suspended by group jobs. "
  ::= { userStatistics 4 }

usersSignedOffPrintWait OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The number of users signed off with printer output waiting. "
  ::= { userStatistics 5 }

batchJobStatistics OBJECT IDENTIFIER ::= { resources 5 }

batchJobsWaitMsg OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The number of batch jobs waiting for messages. "
  ::= { batchJobStatistics 1 }

batchJobsRunning OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The number of batch jobs running. "
  ::= { batchJobStatistics 2 }

batchJobsHeldRun OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory
  DESCRIPTION "The number of batch jobs held running. "
  ::= { batchJobStatistics 3 }

batchJobsEnding OBJECT-TYPE
  SYNTAX INTEGER
  ACCESS read-only
  STATUS mandatory

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DESCRIPTION "The number of batch jobs ending. "
::= { batchJobStatistics 4 }

batchJobsScheduled OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The number of batch jobs waiting to run
or already scheduled. "
::= { batchJobStatistics 5 }

batchJobsHeldOnJobQ OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The number of batch jobs held on a job queue.
Note: This means the job itself is held. "
::= { batchJobStatistics 6 }

batchJobsOnHeldJobQ OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The number of batch jobs on a held job queue.
Note: This means the whole job queue is held. "
::= { batchJobStatistics 7 }

batchJobsUnassigned OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The number of batch jobs on an unassigned job queue. "
::= { batchJobStatistics 8 }

batchJobEndedPrtWait OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The number of batch jobs ended with printer output
waiting to print. "
::= { batchJobStatistics 9 }

processes OBJECT IDENTIFIER ::= { comtekos400Mib 2 }

psNumProcs OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "Number of processes. "
::= { processes 1 }

psTable OBJECT-TYPE
SYNTAX SEQUENCE OF PsTableEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "A simplified version of what is read from WRKACTJOB. "
::= { processes 2 }

psTableEntry OBJECT-TYPE
SYNTAX PsTableEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "A row in the process table. "
INDEX {psProcessIndex}
::= { psTable 1 }

PsTableEntry ::= SEQUENCE {
psProcessIndex INTEGER,
psSubsystemName DisplayString,
psJobName DisplayString,
psUser DisplayString,

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psCpuUtilization    INTEGER,
psFunction    DisplayString,
psStatus    DisplayString,
psActiveJobStatus DisplayString
    }
}

psProcessIndex OBJECT-TYPE
    SYNTAX    INTEGER
    ACCESS    read-only
    STATUS    mandatory
    DESCRIPTION "This is the index into the process table. "
    ::= { psTableEntry 1 }

psSubsystemName OBJECT-TYPE
    SYNTAX    DisplayString(SIZE(20))
    ACCESS    read-only
    STATUS    mandatory
    DESCRIPTION "The subsystem in which the job is running. "
    ::= { psTableEntry 2 }

psJobName OBJECT-TYPE
    SYNTAX    DisplayString(SIZE(10))
    ACCESS    read-only
    STATUS    mandatory
    DESCRIPTION "The name of the job as identified to the system. "
    ::= { psTableEntry 3 }

psUser OBJECT-TYPE
    SYNTAX    DisplayString(SIZE(10))
    ACCESS    read-only
    STATUS    mandatory
    DESCRIPTION "The user name identifies the user who submitted the job and
        the user profile under which the job is run. "
    ::= { psTableEntry 4 }

psCpuUtilization OBJECT-TYPE
    SYNTAX    INTEGER
    ACCESS    read-only
    STATUS    mandatory
    DESCRIPTION "Number of milliseconds of processor time used by the job. "
    ::= { psTableEntry 5 }

psFunction OBJECT-TYPE
    SYNTAX    DisplayString(SIZE(10))
    ACCESS    read-only
    STATUS    mandatory
    DESCRIPTION "The last high-level function initiated by the job. This
        field is blank when the OS/400 logged function has not been
        performed. "
    ::= { psTableEntry 6 }

psStatus OBJECT-TYPE
    SYNTAX    DisplayString
    ACCESS    read-only
    STATUS    mandatory
    DESCRIPTION "The status of the job. Only one status is displayed per job.
        A blank status field represents a job that is in transition. "
    ::= { psTableEntry 7 }

psActiveJobStatus OBJECT-TYPE
    SYNTAX    DisplayString
    ACCESS    read-only
    STATUS    mandatory
    DESCRIPTION "The active job status. Only one status is displayed per job.
        A blank status field represents a job that is in transition. "
    ::= { psTableEntry 8 }

pscritProcCfgTableSize OBJECT-TYPE
    SYNTAX    INTEGER
    ACCESS    read-only
    STATUS    mandatory

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DESCRIPTION
"This indicates the number of processes listed in the critical process table "
    ::= { processes 3 }

critProcCfgTable OBJECT-TYPE
    SYNTAX SEQUENCE OF critProcCfgTableEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "Table description "
    ::= { processes 4 }

critProcCfgTableEntry OBJECT-TYPE
    SYNTAX critProcCfgTableEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "Row in table description "
    INDEX {critProcCfgIndex}
    ::= { critProcCfgTable 1 }

critProcCfgTableEntry ::= SEQUENCE {
    critProcCfgIndex      INTEGER,
    critProcCfgName       DisplayString,
    critProcCfgUser       DisplayString,
    critProcCfgSubsystem  DisplayString,
    critProcCfgNumInstancesReq  INTEGER,
    critProcCfgNumActive  INTEGER
    }

critProcCfgIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "This is the index into the critical process table. "
    ::= { critProcCfgTableEntry 1 }

critProcCfgName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "This is the name of the critical process "
    ::= { critProcCfgTableEntry 2 }

critProcCfgUser OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "This is the user profile that the critical process should be
running under. The * character means match anything to the end of the string. "
    ::= { critProcCfgTableEntry 3 }

critProcCfgSubsystem OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "This is the subsystem under which the critical process should
run.
The * character is a wildcard. "
    ::= { critProcCfgTableEntry 4 }

critProcCfgNumInstancesReq OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "This is the number of instances of the critical process that
should be running on the system. If there are less than this
number of instances, a critical process missing trap will be generated. "
    ::= { critProcCfgTableEntry 5 }

critProcCfgNumActive OBJECT-TYPE
    SYNTAX INTEGER

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ACCESS read-only
STATUS mandatory
DESCRIPTION "This is the actual number instances of critical processes
            that are currently running on the system "
::= { critProcCfgTableEntry 6 }

psCritNumProcs OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "Number of critical processes running. "
::= { processes 5 }

psCritTable OBJECT-TYPE
SYNTAX SEQUENCE OF psCritTableEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "A simplified version of what is read from WRKACTJOB constrained to
            the jobs specified as critical processes. "
::= { processes 6 }

psCritTableEntry OBJECT-TYPE
SYNTAX psCritTableEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "A row in the critical process table. "
INDEX { psProcessIndex }
::= { psCritTable 1 }

psCritTableEntry ::= SEQUENCE {
    psCritProcessIndex      INTEGER,
    psCritSubsystemName     DisplayString,
    psCritJobName           DisplayString,
    psCritUser              DisplayString,
    psCritCpuUtilization    INTEGER,
    psCritFunction          DisplayString,
    psCritStatus            DisplayString,
    psCritActiveJobStatus   DisplayString
}

psCritProcessIndex OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "This is the index into the process table. "
::= { psCritTableEntry 1 }

psCritSubsystemName OBJECT-TYPE
SYNTAX DisplayString(SIZE(20))
ACCESS read-only
STATUS mandatory
DESCRIPTION "The subsystem in which the job is running. "
::= { psCritTableEntry 2 }

psCritJobName OBJECT-TYPE
SYNTAX DisplayString(SIZE(10))
ACCESS read-only
STATUS mandatory
DESCRIPTION "The name of the job as identified to the system. "
::= { psCritTableEntry 3 }

psCritUser OBJECT-TYPE
SYNTAX DisplayString(SIZE(10))
ACCESS read-only
STATUS mandatory
DESCRIPTION "The user name identifies the user who submitted the job and
            the user profile under which the job is run. "
::= { psCritTableEntry 4 }

psCritCpuUtilization OBJECT-TYPE
SYNTAX INTEGER

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ACCESS read-only
STATUS mandatory
DESCRIPTION "Number of milliseconds of processor time used by the job. "
::= { psCritTableEntry 5 }

psCritFunction OBJECT-TYPE
SYNTAX DisplayString(SIZE(10))
ACCESS read-only
STATUS mandatory
DESCRIPTION "The last high-level function initiated by the job. This
field is blank when the OS/400 logged function has not been
performed. "
::= { psCritTableEntry 6 }

psCritStatus OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The status of the job. Only one status is displayed per job.
A blank status field represents a job that is in transition. "
::= { psCritTableEntry 7 }

psCritActiveJobStatus OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The active job status. Only one status is displayed per job.
A blank status field represents a job that is in transition. "
::= { psCritTableEntry 8 }

jobq OBJECT IDENTIFIER ::= { comtekos400Mib 3 }

jqNumProcs OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "Number of jobs in the job queue. "
::= { jobq 1 }

jqTable OBJECT-TYPE
SYNTAX SEQUENCE OF JqTableEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "A simplified version of what is read from WRKSBMJOB. "
::= { jobq 2 }

jqTableEntry OBJECT-TYPE
SYNTAX JqTableEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "A row in the job queue table. "
INDEX {jqProcessIndex}
::= { jqTable 1 }

JqTableEntry ::= SEQUENCE {
jqProcessIndex INTEGER,
jqUser DisplayString,
jqJobName DisplayString,
jqType DisplayString,
jqStatus DisplayString
}

jqProcessIndex OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only

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STATUS mandatory
DESCRIPTION "Process index. This field is the index into the job
queue table. "
::= { jqTableEntry 1 }

jqUser OBJECT-TYPE
SYNTAX DisplayString(SIZE(10))
ACCESS read-only
STATUS mandatory
DESCRIPTION "The user name identifies the user profile under which the
job is run. The user name is specified either on the SBMJOB
(submit job) command, in the job description referred to by
the BCHJOB or SBMJOB commands, or in the user parameter of
the job schedule entry. "
::= { jqTableEntry 2 }

jqJobName OBJECT-TYPE
SYNTAX DisplayString(SIZE(10))
ACCESS read-only
STATUS mandatory
DESCRIPTION "The simple job name of the job. "
::= { jqTableEntry 3 }

jqType OBJECT-TYPE
SYNTAX DisplayString(SIZE(10))
ACCESS read-only
STATUS mandatory
DESCRIPTION "The type of job. Possible types are:
- BATCH: batch
- BATCHI: batch immediate
- MRT: multiple requestor terminal "
::= { jqTableEntry 4 }

jqStatus OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The status of the job (in two fields). Possible
values for the first field are:
- ACTIVE: The job has been started.
- OUTQ: The job has completed running and has spooled
files on an output queue.
- DSC: The job is disconnected.
- JOBQ: The job is on a job queue, but not the result
of a transfer job (TFRJOB) or transfer batch
job (TFRBCHJOB) command.
- TFRJOB: The job is on a job queue as a result of a
transfer job (TFRJOB) command.
- TFRBCH: The job is on a job queue as a result of a
transfer batch job (TFRBCHJOB) command.
- SYSREQ: The job is suspended by a system request.
- FIN: The job has finished.
- END: The job is ending as the result of the end job
(ENDJOB) or the end subsystem (ENDSBS) command.
- EOJ: The job is ending for any reason other than end
job (ENDJOB) or end subsystem (ENDSBS).
- MSGW: The job has a message waiting.
- SCD: The job is scheduled for a particular time and
date.

The second field indicates whether the job is being held (HELD)
or not held (if the field is blank). "
::= { jqTableEntry 5 }

trapinfo OBJECT IDENTIFIER ::= { comtekos400Mib 4 }

firstTrapNum OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The sequence number of the oldest trap available in the
subagent's internal trap table. This indicates the lowest

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        sequence number that is available to be resent. "
 ::= { trapinfo 1 }

lastTrapNum OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "Last trap sequence number maintained by the subagent. "
 ::= { trapinfo 2 }

trapNum OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "Trap sequence number. This variable accompanies every trap
        sent by the subagent and may also be used to resend traps to
        the SNMP manager. To resend a trap message, set this variable
        to the sequence number of the trap that is to be resent. "
 ::= { trapinfo 3 }

userTrapContFlag OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "This variable is used as a continuation indicator in userMsg
        traps. If the text of the userMsg trap is too long to be
        contained in a single userMsg trap, the text is split into
        multiple traps with the userTrapContFlag set to 1 to indicate
        that the data is continued in a subsequent trap and set to 0
        to indicate that this is the final trap for this user data.
        This variable only has meaning in the context of a particular
        userMsg trap and is therefore not accessible by SNMP get and
        set requests. "
 ::= { trapinfo 5 }

userTrapMsgText OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "This is the text of a userMsg trap. The subagent disassembles
        user data placed in the SNMP_USR_Q data queue into 255
        byte null terminated character strings. Each userMsg trap
        also contains a continuation flag to indicate if the user
        message is continued in a subsequent trap. This variable
        only has meaning in the context of a particular userMsg trap
        and is therefore not accessible by SNMP get and set requests. "
 ::= { trapinfo 6 }

qsysoprMsgGroup OBJECT IDENTIFIER ::= { comtekos400Mib 5 }

qsysoprMsgKey OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "This variable provides an identifying key for QSYSOPR
        messages. This key is part of every qsysoprMsg trap and can
        also be used to request the help text for a QSYSOPR message.
        To retrieve the help text for a QSYSOPR message, set this
        variable to the message key in the subject qsysoprMsg trap
        and the appropriate help text will be sent as a
        qsysoprHelpText trap. "
 ::= { qsysoprMsgGroup 1 }

qsysoprResp OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "This variable provides the mechanism for responding to
        QSYSOPR inquiry messages. This variable requires that the
        qsysoprMsgKey received in the qsysoprMsg trap be used as the
        instance for this variable in the set-request. For example,

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        if responding to a qsysoprMsg trap that had a qsysoprMsgKey
        of 1234, a set-request would be performed on instance 1234
        of qsysoprResp (i.e., qsysoprResp.1234). "
 ::= { qsysoprMsgGroup 2 }

qsysoprMsgSeverity OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "This variable contains the severity of the QSYSOPR message.
        This variable is only available in qsysoprMsg traps. "
 ::= { qsysoprMsgGroup 5 }

qsysoprMsgID OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "This variable contains the 7 character message ID for a
        QSYSOPR message. This variable is only available in qsysoprMsg
        traps. An example of a message ID is CPF9801. "
 ::= { qsysoprMsgGroup 6 }

qsysoprMsgType OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "This variable identifies the type of the QSYSOPR message.
        This variable is only available in qsysoprMsg traps. "
 ::= { qsysoprMsgGroup 7 }

qsysoprNumMsgHelpLines OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "This indicates the number of lines of help text returned
        in a qsysoprMsg trap. This variable is only available
        in qsysoprMsg traps. "
 ::= { qsysoprMsgGroup 8 }

qsysoprMsgTxtTable OBJECT-TYPE
    SYNTAX SEQUENCE OF QsysoprMsgTxtEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "The QSYSOPR message specified by qsysoprMsgKey. "
 ::= { qsysoprMsgGroup 9 }

qsysoprMsgTxtEntry OBJECT-TYPE
    SYNTAX QsysoprMsgTxtEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "A line in the message text. This variable is only
        available in qsysoprMsg traps. "
    INDEX {msgRowNumber}
 ::= { qsysoprMsgTxtTable 1 }

QsysoprMsgTxtEntry ::= SEQUENCE {
    qsysoprMessage      DisplayString,
    msgRowNumber        INTEGER
}

qsysoprMessage OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "The text of the QSYSOPR message. This variable is only
        available in qsysoprMsg traps. "
 ::= { qsysoprMsgTxtEntry 1 }

msgRowNumber OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS not-accessible

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STATUS mandatory
DESCRIPTION "Index into the qsysoprMsgTxtTable. This variable is not
accessible. "
::= { qsysoprMsgTxtEntry 2 }

qsysoprShortMsgText OBJECT-TYPE
SYNTAX DisplayString
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "This variable contains the first level message text for the
message indicated by qsysoprMsgKey. This variable is only
available in qsysoprMsg traps. "
::= { qsysoprMsgGroup 10 }

qsysoprSendJob OBJECT-TYPE
SYNTAX DisplayString
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "This variable contains the name of the job that sent the
message to the QSYSOPR message queue. This variable is only
available in qsysoprMsg traps. "
::= { qsysoprMsgGroup 11 }

qsysoprUserName OBJECT-TYPE
SYNTAX DisplayString
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "This variable contains the name of the user profile that
sent the message to the QSYSOPR message queue. This variable
is only available in qsysoprMsg traps. "
::= { qsysoprMsgGroup 12 }

qsysoprJobNumber OBJECT-TYPE
SYNTAX DisplayString
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "This variable contains the job number of the job that sent
the message to the QSYSOPR message queue. This variable is
only available in qsysoprMsg traps. "
::= { qsysoprMsgGroup 13 }

qsysoprProgramName OBJECT-TYPE
SYNTAX DisplayString
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "This variable contains the name of the program that sent
the message to the QSYSOPR message queue. This variable is
only available in qsysoprMsg traps. "
::= { qsysoprMsgGroup 14 }

configuration OBJECT IDENTIFIER ::= { comtekos400Mib 6 }

cpuWaitTime OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-write
STATUS mandatory
DESCRIPTION "Number of seconds to wait between updates of the CPU group
statistics. This variable is equivalent to the CPU_WAIT_TIME
configuration file parameter. "
::= { configuration 1 }

cpuThreshold OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-write
STATUS mandatory
DESCRIPTION "Percentage of CPU utilization at which a cpuExcessive trap
should be sent to the SNMP manager. This value is expressed
in tenths of a percent. Thus 95% would be denoted 950. This
variable is equivalent to the CPU_TRAP_THRESHOLD configuration
file parameter. "
::= { configuration 2 }

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cpuResendPeriod OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "Number of times the CPU statistics should be updated before
        repeating a cpuExcessive trap. This variable is equivalent to
        the CPU_RESEND_TRAP_COUNT configuration file parameter. "
    ::= { configuration 3 }

diskWaitTime OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "Number of seconds to wait between updates of the disk group
        statistics. This variable is equivalent to the DISK_WAIT_TIME
        configuration file parameter. "
    ::= { configuration 4 }

diskFullThreshold OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "Percentage of system storage pool (disk) utilization at which
        a diskFull trap should be sent to the SNMP manager. This value
        is expressed in ten thousandths of a percent. For example,
        44123 would indicate 4.4123%. This variable is equivalent to
        the DISK_FULL_THRESHOLD configuration file parameter. "
    ::= { configuration 5 }

diskFullClearThreshold OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "Percentage of system storage pool (disk) utilization at which
        a diskClear trap should be sent to the SNMP manager to indicate
        the disk full condition no longer exists. This value is
        expressed n ten thousandths of a percent. For example, 44123
        would indicate 4.4123%. This variable is equivalent to the
        DISK_FULL_CLR_THRESHOLD configuration file parameter. "
    ::= { configuration 6 }

diskResendPeriod OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "Number of times to gather disk group statistics before
        repeating a diskFull trap. This variable is equivalent to the
        DISK_RESEND_TRAP_COUNT configuration file parameter. "
    ::= { configuration 7 }

jobqWaitTime OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "Number of seconds to wait between updates of the job queue
        group statistics. This variable is equivalent to the
        JQ_WAIT_TIME configuration file parameter. "
    ::= { configuration 8 }

psWaitTime OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "Number of seconds to wait between updates of the active
        process group statistics. This variable is equivalent to
        the PS_WAIT_TIME configuration file parameter. "
    ::= { configuration 9 }

psReqProcFileName OBJECT-TYPE
    SYNTAX DisplayString

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ACCESS read-write
STATUS mandatory
DESCRIPTION "The fully qualified name of the critical process configuration
file. The critical process configuration file specifies jobs
which are required to be active on the system. If a required
job is not active on the system, a critProcCfgMissing trap is
generated for the missing job. This variable permits SNMP
set-requests so that the critical process list may be modified
without stopping and restarting the subagent. This variable is
equivalent to the INITIAL_REQ_PS_FILENAME configuration file
parameter. "
::= { configuration 11 }

qsysoprSeverity OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-write
STATUS mandatory
DESCRIPTION "The minimum QSYSOPR message severity level which is to be
forwarded to the SNMP manager. QSYSOPR messages with a severity
level below this value are not sent as qsysoprMsg traps.
This variable is equivalent to the MIN_QSYSOPR_SEV_TO_SEND
configuration file parameter. "
::= { configuration 12 }

qhstWaitTime OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-write
STATUS mandatory
DESCRIPTION "Number of seconds to wait before rereading the QHST file.
This variable is equivalent to the QHST_WAIT_TIME configuration
file parameter. "
::= { configuration 13 }

trapThrottle OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-write
STATUS mandatory
DESCRIPTION "Number of hundredths of seconds to wait between sending traps.
This variable may be used as a throttle to prevent traps
generated by the subagent from flooding the network. This
variable is equivalent to the HUNDREDTHS_SEC_BETWEEN_TRAPS
configuration file parameter. "
::= { configuration 14 }

qsysoprMsgFilterFile OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-write
STATUS mandatory
DESCRIPTION "The fully qualified filename for the QSYSOPR message ID filter
file. The filter can be configured to either forward or discard those
message IDs which are specified in the filter. This variable is
equivalent to the QSYSOPR_MSG_FILTER_FILE configuration file
parameter."
::= { configuration 15 }

qsysoprMaxMsgAge OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-write
STATUS mandatory
DESCRIPTION "Maximum age of QSYSOPR messages to forward to the SNMP
manager as qsysoprMsg traps. This value is specified in
minutes. This variable is equivalent to the QSYSOPR_MSG_MAX_
AGE_MINUTES configuration file parameter. "
::= { configuration 16 }

psResendPeriod OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-write
STATUS mandatory
DESCRIPTION "The number of times to check for a critical process before repeating
a critical process missing trap. If this is set to a large number, it

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        will make it seem like a critical process missing trap is only sent once. "
 ::= { configuration 17 }

psActJobStsFileName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "The fully qualified name of the active job status configuration
        file. The active job status configuration file specifies the valid active job
        status for the specified jobs. If a job has a status other than those
        specified in the configuration file, an activeJobStatus trap is
        generated for the missing job. This variable permits SNMP
        set-requests so that the active job status list may be modified
        without stopping and restarting the subagent. This variable is
        equivalent to the PS_ACT_JOB_STS_FILTER_FILE configuration file
        parameter. "
 ::= { configuration 18 }

remoteConsole OBJECT IDENTIFIER ::= { comtekos400Mib 7 }

rConsCommand OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-write
    STATUS mandatory
    DESCRIPTION "The remote console command to be executed on the AS/400.
        This feature permits the user to select if the output of
        the command is to be captured and converted into a series
        of userMsg traps. A remote console command has the format:

            CMD<xxx> OUT<yyy> TAG<zzz>

        where xxx is the OS/400 command to be executed, yyy is the name
        of the file that the OS/400 command generates for print output,
        and zzz is a user selected alphanumeric string which is to
        appear in each userMsg trap that is generated. For example,

            CMD<WRKACTJOB OUTPUT(*PRINT)> OUT<QPDSPAJB> TAG<actJobs>

        If the results of the command are not to be sent as userMsg
        traps, both the OUT and TAG fields should be omitted.

        The OUT field is required if the print file produced by the
        command is to be sent as a series of userMsg traps to the
        SNMP manager. When using the OUT field, it is required that
        the CMD field include OUTPUT(*PRINT) to direct the output
        of the command to a file. The name that should be specified
        for the OUT field is dependent on the output file that is
        generated by the specified OS/400 command.

        The TAG field is intended to assist the user in distinguishing
        userMsg traps that are generated by multiple remote console
        commands. The TAG field is optional. "
 ::= { remoteConsole 1 }

-- formerly file: comtektp.mib

coldStart TRAP-TYPE
    ENTERPRISE comtekos400Mib
    VARIABLES { trapNum, os400SysName }
    DESCRIPTION
        "A coldStart trap signifies that the sending protocol entity
        is reinitializing itself such that the agent's configuration
        or the protocol entity implementation may be altered."
 ::= 0

diskFull TRAP-TYPE
    ENTERPRISE comtekos400Mib
    VARIABLES { trapNum, cpuPercentSystemASP }
    DESCRIPTION

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        "Disk full. The disk space in use has reached or exceeded the
        threshold specified by diskFullThreshold. This trap is repeated
        as specified by diskResendPeriod while the disk full condition
        persists. When this situation is resolved, a diskClear trap is
        sent."
 ::= 1

diskClear TRAP-TYPE
ENTERPRISE comtekos400Mib
VARIABLES { trapNum, cpuPercentSystemASP }
DESCRIPTION
    "Disk full clear. The disk space usage has gone below the
    diskFullClearThreshold threshold after having previously exceeded
    the diskFullThreshold threshold."
 ::= 2

cpuExcessive TRAP-TYPE
ENTERPRISE comtekos400Mib
VARIABLES { trapNum, cpuPercentProcessUnitUsed }
DESCRIPTION
    "Excessive CPU utilization. The total CPU utilization has
    reached or exceeded the threshold specified by cpuThreshold.
    This trap is repeated as specified by cpuResendPeriod while
    the excessive utilization condition persists. When this
    situation is resolved, a cpuClear trap is sent."
 ::= 3

critProcCfgMissing TRAP-TYPE
ENTERPRISE comtekos400Mib
VARIABLES { trapNum, psJobName, psUser, psSubsystemName }
DESCRIPTION
    "A user specified critical process is not active. A process
    that the user defined as critical in the critical process
    configuration file is not running. This trap is repeated
    every time the process statistics are updated (as specified
    by psWaitTime) and the named process is not located."
 ::= 4

qsysoprMsg TRAP-TYPE
ENTERPRISE comtekos400Mib
VARIABLES { trapNum, qsysoprMsgKey, qsysoprMsgID, qsysoprMsgType,
            qsysoprMsgSeverity, qsysoprShortMsgText, qsysoprSendJob,
            qsysoprUserName, qsysoprJobNumber, qsysoprProgramName }
DESCRIPTION
    "A QSYSOPR message. An event has occurred that posted a
    message in the QSYSOPR message queue."
 ::= 5

userMsg TRAP-TYPE
ENTERPRISE comtekos400Mib
VARIABLES { trapNum, userTrapContFlag, userTrapMsgText }
DESCRIPTION
    "User queue message. A message has been written by a user
    process to the SNMP_USR_Q data queue. This message is called
    a user defined trap."
 ::= 6

qsysoprHelpText TRAP-TYPE
ENTERPRISE comtekos400Mib
VARIABLES { trapNum, qsysoprMsgKey, qsysoprMsgID,
            qsysoprNumMsgHelpLines, qsysoprMsgTxtTable }
DESCRIPTION
    "This trap is the result of requesting the help message text
    part of a QSYSOPR message. The message key uniquely identifies
    the QSYSOPR message. Each line of the help text occupies a
    separate instance of qsysoprMessage. The qsysoprNumMsgHelpLines
    variable indicates the number of qsysoprMessage instances and
    therefore the number of help text lines that make up this trap."
 ::= 7

cpuClear TRAP-TYPE

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ENTERPRISE comtekos400Mib
VARIABLES { trapNum, cpuPercentProcessUnitUsed }
DESCRIPTION
    "This trap indicates that the excessive CPU usage that was
    reported by a cpuExcessive trap has been resolved, i.e.,
    the CPU utilization has dropped below the level specified
    by cpuThreshold."
::= 10

activeJobStatus TRAP-TYPE
ENTERPRISE comtekos400Mib
VARIABLES { trapNum, psJobName, psUser, psSubsystemName,
            psActiveJobStatus }
DESCRIPTION
    "A user specified critical process does not have the expected
    active job status. This trap is repeated
    every time the process statistics are updated (as specified
    by psWaitTime) and the named process does not have the
    expected active job status."
::= 14

-- formerly file: cmtkgenq.mib
--
-- This is the User Specified Message Queue Monitor MIB for
-- NM*Server for OS/400. It is subject to revision
-- during product development/enhancement.

cmtkGenQCfg OBJECT IDENTIFIER ::= { os400genericQmonitor 1 }

cmtkGenQVersion OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "subagent version "
    ::= { cmtkGenQCfg 1 }

os400monitoredQCount OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "number of message queues being monitored"
    ::= { cmtkGenQCfg 2 }

os400MonQCfgTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Os400MonQCfgTableEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "Table description"
    ::= { cmtkGenQCfg 3 }

os400MonQCfgTableEntry OBJECT-TYPE
    SYNTAX Os400MonQCfgTableEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "Row in table description"
    INDEX {os400MsgQueueIndex}
    ::= { os400MonQCfgTable 1 }

Os400MonQCfgTableEntry ::= SEQUENCE {
    os400MsgQueueIndex INTEGER,
    os400MsgQueueName DisplayString,
    os400MsgQueueLib DisplayString,
    os400MsgQueueMinSeverity INTEGER,
    os400MsgQueueMaxAge INTEGER,
    os400MsgQueueFilterFile DisplayString
}

os400MsgQueueIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only

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STATUS mandatory
DESCRIPTION "This is the index for the message
             queue monitor configuration table. "
::= { os400MonQCfgTableEntry 1}

os400MsgQueueName OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "This is the name of the queue that
             is being monitored."
::= { os400MonQCfgTableEntry 2 }

os400MsgQueueLib OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "This is the library where the message queue is located"
::= { os400MonQCfgTableEntry 3 }

os400MsgQueueMinSeverity OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-write
STATUS mandatory
DESCRIPTION "This is the minimum severity message to
             forward to the SNMP Manager for this message queue"
::= { os400MonQCfgTableEntry 4 }

os400MsgQueueMaxAge OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-write
STATUS mandatory
DESCRIPTION "This is the maximum message age in minutes for
             filtering messages from this message queue. "
::= { os400MonQCfgTableEntry 5 }

os400MsgQueueFilterFile OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-write
STATUS mandatory
DESCRIPTION "The name of the file that contains the specifications
             for filtering messages based on the message ID. The filter
             can be configured to either forward or discard those message
             IDs which are specified in the filter."
::= { os400MonQCfgTableEntry 6 }

os400MsgRspTable OBJECT-TYPE
SYNTAX SEQUENCE OF Os400MsgRspTableEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "This is a sparse table that is used for
             responding to inquiry messages from the monitored message queues.
             The method for responding is to use the queue name and message
             number as indices to set the response."
::= { os400genericQmonitor 2 }

os400MsgRspTableEntry OBJECT-TYPE
SYNTAX Os400MsgRspTableEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "Row in table description"
INDEX {os400RspMsgQName, os400RspMsgNumber}
::= { os400MsgRspTable 1 }

Os400MsgRspTableEntry ::= SEQUENCE {
    os400RspMsgQName    DisplayString,
    os400RspMsgNumber  INTEGER,
    os400RspMsgResponse DisplayString
}

os400RspMsgQName OBJECT-TYPE

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SYNTAX DisplayString (SIZE (1..114))
ACCESS read-only
STATUS mandatory
DESCRIPTION "This is the name of the message queue
             that is being responded to."
 ::= { os400MsgRspTableEntry 1 }

os400RspMsgNumber OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "This is the message number of the message
             that a response is being sent to"
 ::= { os400MsgRspTableEntry 2 }

os400RspMsgResponse OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-write
STATUS mandatory
DESCRIPTION "This is the response that is being sent
             to the monitored message
             queue for the specified message number"
 ::= { os400MsgRspTableEntry 3 }

cmtkGenQTrapVars OBJECT IDENTIFIER ::= { os400genericQmonitor 3 }

os400GenQTrapMsgQName OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "Name of the message queue that received a message"
 ::= { cmtkGenQTrapVars 1 }

os400GenQTrapMsgKey OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The message key for thereceived message"
 ::= { cmtkGenQTrapVars 2 }

os400GenQTrapMsgSeverity OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The severity of the message"
 ::= { cmtkGenQTrapVars 3 }

os400GenQTrapMsgId OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The message ID for the message"
 ::= { cmtkGenQTrapVars 4 }

os400GenQTrapMsgType OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The type of message"
 ::= { cmtkGenQTrapVars 5 }

os400GenQTrapMsgText OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The message text"
 ::= { cmtkGenQTrapVars 6 }

os400GenQTrapMsgSendJob OBJECT-TYPE

```



```

SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The job that sent the message"
::= { cmtkGenQTrapVars 7 }

os400GenQTrapMsgUserName OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The user profile that sent the message"
::= { cmtkGenQTrapVars 8 }

os400GenQTrapMsgJobNumber OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The job number of the job that sent the message"
::= { cmtkGenQTrapVars 9 }

os400GenQTrapMsgProgramName OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The name of the program that sent the message"
::= { cmtkGenQTrapVars 10 }

qMonitor TRAP-TYPE
ENTERPRISE comtekos400Mib
VARIABLES { trapNum, os400GenQTrapMsgQName, os400GenQTrapMsgKey,
            os400GenQTrapMsgSeverity, os400GenQTrapMsgId,
            os400GenQTrapMsgType, os400GenQTrapMsgText,
            os400GenQTrapMsgSendJob, os400GenQTrapMsgUserName,
            os400GenQTrapMsgJobNumber, os400GenQTrapMsgProgramName }
DESCRIPTION
    "This trap indicates that a message was received on a user
    specified message queue."
::= 11

-- formerly file: comtekcmn.mib
--
-- This is the Communications Line, Controller, and Device MIB for
-- NM*Server for OS/400. It is subject to revision
-- during product development/enhancement.

cmtkCmnCfg OBJECT IDENTIFIER ::= { os400cmn 1 }

cmtkCmnVersion OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "subagent version "
::= { cmtkCmnCfg 1 }

cmtkCmnWaitTime OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-write
STATUS mandatory
DESCRIPTION "The number of minutes to wait between checking all of the
communications lines, controllers, and devices. "
::= { cmtkCmnCfg 2 }

os400CmnLineCount OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "num lines "
::= { os400cmn 2 }

os400CmnLineTable OBJECT-TYPE

```

```

SYNTAX SEQUENCE OF Os400CmnLineTableEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "Table description  "
::= { os400cmn 3 }

os400CmnLineTableEntry OBJECT-TYPE
SYNTAX Os400CmnLineTableEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION "Row in table description  "
INDEX {os400CmnLineIndex}
::= { os400CmnLineTable 1 }

Os400CmnLineTableEntry ::= SEQUENCE {
os400CmnLineName      DisplayString,
os400CmnLineStatusText DisplayString,
os400CmnLineStatusNumeric INTEGER,
os400CmnLineCatagory DisplayString,
os400CmnLineTextDescription DisplayString,
os400CmnLineIndex    INTEGER
}

os400CmnLineName OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The name of the configured communications line.  "
::= { os400CmnLineTableEntry 1 }

os400CmnLineStatusText OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "status as text  "
::= { os400CmnLineTableEntry 2 }

os400CmnLineStatusNumeric OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "line status numeric code  "
::= { os400CmnLineTableEntry 3 }

os400CmnLineCatagory OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "the type of line e.g. *ETH, *FR, etc  "
::= { os400CmnLineTableEntry 4 }

os400CmnLineTextDescription OBJECT-TYPE
SYNTAX DisplayString
ACCESS read-only
STATUS mandatory
DESCRIPTION "The long text description of the line  "
::= { os400CmnLineTableEntry 5 }

os400CmnLineIndex OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "line number  "
::= { os400CmnLineTableEntry 10 }

os400CmnCtrlrCount OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION "The number of OS/400 communications
controllers in the table  "

```

```

 ::= { os400cmn 4 }

os400CmnCtrlrTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Os400CmnCtrlrTableEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "Table description "
    ::= { os400cmn 5 }

os400CmnCtrlrTableEntry OBJECT-TYPE
    SYNTAX Os400CmnCtrlrTableEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "Row in table description "
    INDEX {os400CmnCtrlrIndex}
    ::= { os400CmnCtrlrTable 1 }

Os400CmnCtrlrTableEntry ::= SEQUENCE {
    os400CmnCtrlrName DisplayString,
    os400CmnCtrlrStatusText DisplayString,
    os400CmnCtrlrStatusNumeric INTEGER,
    os400CmnCtrlrCatagory DisplayString,
    os400CmnCtrlrTextDescription DisplayString,
    os400CmnCtrlrIndex INTEGER
}

os400CmnCtrlrName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The name of the communications controller "
    ::= { os400CmnCtrlrTableEntry 1 }

os400CmnCtrlrStatusText OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The text describing the status of the
communications controller "
    ::= { os400CmnCtrlrTableEntry 2 }

os400CmnCtrlrStatusNumeric OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The status of the communications controller
represented numerically "
    ::= { os400CmnCtrlrTableEntry 3 }

os400CmnCtrlrCatagory OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "the category of communications controller "
    ::= { os400CmnCtrlrTableEntry 4 }

os400CmnCtrlrTextDescription OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The long text description
of the communications controller "
    ::= { os400CmnCtrlrTableEntry 5 }

os400CmnCtrlrIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The index into the communications
controller table "
    ::= { os400CmnCtrlrTableEntry 10 }

```

```

os400CmnDevCount OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The number of entries in the communications
        device table "
    ::= { os400cmn 6 }

os400CmnDevTable OBJECT-TYPE
    SYNTAX SEQUENCE OF Os400CmnDevTableEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "Table description "
    ::= { os400cmn 7 }

os400CmnDevTableEntry OBJECT-TYPE
    SYNTAX Os400CmnDevTableEntry
    ACCESS not-accessible
    STATUS mandatory
    DESCRIPTION "Row in table description "
    INDEX {os400CmnDevIndex}
    ::= { os400CmnDevTable 1 }

Os400CmnDevTableEntry ::= SEQUENCE {
    os400CmnDevName      DisplayString,
    os400CmnDevStatusText DisplayString,
    os400CmnDevStatusNumeric INTEGER,
    os400CmnDevCatagory DisplayString,
    os400CmnDevTextDescription DisplayString,
    os400CmnDevIndex    INTEGER
}

os400CmnDevName OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The name of the communications device "
    ::= { os400CmnDevTableEntry 1 }

os400CmnDevStatusText OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The status of the communications
        device displayed as text "
    ::= { os400CmnDevTableEntry 2 }

os400CmnDevStatusNumeric OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The status of the communications
        device represented numerically "
    ::= { os400CmnDevTableEntry 3 }

os400CmnDevCatagory OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The category of the communications device "
    ::= { os400CmnDevTableEntry 4 }

os400CmnDevTextDescription OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS mandatory
    DESCRIPTION "The long text description of the
        communications device "
    ::= { os400CmnDevTableEntry 5 }

```

```
os400CmnDevIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  mandatory
    DESCRIPTION "the index into the communications device table "
    ::= { os400CmnDevTableEntry 10 }
```

```
END
```