```
PWG-IMAGING-SYSTEM-POWER-MIB DEFINITIONS ::= BEGIN

IMPORTS
    MODULE-IDENTITY, OBJECT-TYPE, Integer32, Counter32, Gauge32,
    enterprises, NOTIFICATION-TYPE
        FROM SNMPv2-SMI                 -- RFC 2578
    TEXTUAL-CONVENTION, DateAndTime, DisplayString, TruthValue,
    RowStatus
        FROM SNMPv2-TC                  -- RFC 2579
    MODULE-COMPLIANCE, OBJECT-GROUP, NOTIFICATION-GROUP
        FROM SNMPv2-CONF                -- RFC 2580
    SnmpAdminString
        FROM SNMP-FRAMEWORK-MIB;        -- RFC 3411

powPowerMIB MODULE-IDENTITY
    LAST-UPDATED    "201102140000Z" -- 14 February 2011
    ORGANIZATION    "Printer Working Group, a Program of IEEE/ISTO"
    CONTACT-INFO
        "Workgroup for Imaging Management Solutions (WIMS)

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    DESCRIPTION
        "The MIB module for passive monitoring and optional active
        management of power state for Imaging Systems and optionally for
        their associated Subunit components.

        Copyright (C) IEEE/ISTO PWG (2011)."
    ::= { enterprises pwg(2699) mibs(1) powPowerMIB(6) }

powMIBNotifications      OBJECT IDENTIFIER ::= { powPowerMIB 0 }
powMIBObjects            OBJECT IDENTIFIER ::= { powPowerMIB 1 }
powMIBConformance        OBJECT IDENTIFIER ::= { powPowerMIB 2 }
powMIBObjectGroups       OBJECT IDENTIFIER ::= { powMIBConformance 2 }
powMIBNotificationGroups OBJECT IDENTIFIER ::= { powMIBConformance 3 }

--
-- Textual Conventions
--

PowPowerStateTC ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION
        "The power state of this component (System or Subunit).

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55          Usage:  Vendor extensions allowed ONLY for primary power states
56          (on, standby, suspend, hibernate, and offSoft).  Vendor
57          extensions are intentionally not defined for reset or
58          interrupts."
59      REFERENCE
60          "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027)."
61      SYNTAX      INTEGER {
62          other(1),                       -- DO NOT USE
63          unknown(2),                     -- initial default ONLY
64          on(20),                         -- On - fully operational
65          onVendor1(21),
66          onVendor2(22),
67          onVendor3(23),
68          onVendor4(24),
69          onVendor5(25),
70          standby(30),                    -- Standby - light sleep
71          standbyVendor1(31),
72          standbyVendor2(32),
73          standbyVendor3(33),
74          standbyVendor4(34),
75          standbyVendor5(35),
76          suspend(40),                    -- Suspend - deep sleep
77          suspendVendor1(41),
78          suspendVendor2(42),
79          suspendVendor3(43),
80          suspendVendor4(44),
81          suspendVendor5(45),
82          resetSoft(50),                  -- Reset - soft reset
83          offHard(60),                    -- Off Hard - no power consumed
84          hibernate(70),                  -- Hibernate - context save, off
85          hibernateVendor1(71),
86          hibernateVendor2(72),
87          hibernateVendor3(73),
88          hibernateVendor4(74),
89          hibernateVendor5(75),
90          offSoft(80),                    -- Off Soft - w/ auxiliary power
91          offSoftVendor1(81),
92          offSoftVendor2(82),
93          offSoftVendor3(83),
94          offSoftVendor4(84),
95          offSoftVendor5(85),
96          resetHard(90),                  -- hard off, power on
97          resetMBR(100),                  -- Master Bus Reset
98          resetNMI(110),                  -- Non-Maskable Interrupt
99          offSoftGraceful(120),           -- orderley shutdown, soft off
100         offHardGraceful(130),           -- orderly shutdown, hard off
101         resetMBRGraceful(140),          -- orderly shutdown, MBR reset
102         resetSoftGraceful(150),         -- orderly shutdown, soft reset
103         resetHardGraceful(160),         -- orderly shutdown, hard reset
104         resetINIT(170),                 -- Diagnostic Interrupt (INIT)
105         notApplicable(180),
106         noChange(190)
107     }
108
```

```
PowPowerCalendarMonthTC ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION
        "The trigger month (January through December or any) for this
        calendar policy."
    REFERENCE
        "schedMonth in IETF Schedule MIB (RFC 3231)."
    SYNTAX      INTEGER {
        january(1),
        february(2),
        march(3),
        april(4),
        may(5),
        june(6),
        july(7),
        august(8),
        september(9),
        october(10),
        november(11),
        december(12),
        any(13)
    }

PowPowerCalendarDayOfWeekTC ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION
        "The trigger day of week (Sunday through Saturday or any) for
        this calendar policy."
    REFERENCE
        "schedWeekDay in IETF Schedule MIB (RFC 3231)."
    SYNTAX      INTEGER {
        sunday(1),
        monday(2),
        tuesday(3),
        wednesday(4),
        thursday(5),
        friday(6),
        saturday(7),
        any(8)
    }

PowPowerComponentTypeTC ::= TEXTUAL-CONVENTION
    STATUS      current
    DESCRIPTION
        "The type of this component (System or Subunit) on this
        Imaging System."
    REFERENCE
        "IcSubunitTypeTC, icSubunitType, and icKeySubunitType in
            PWG Imaging System State and Counter MIB v2 (PWG 5106.3);
        prtAlertGroup in IETF Printer MIB (RFC 1759/3805);
        PrtAlertGroupTC in IANA Printer MIB (RFC 3805
            and http://www.iana.org/assignments/ianaprinter-mib)."
    SYNTAX      INTEGER {
        other(1),
```

```
163             unknown(2),
164             console(4),
165             system(5),
166             cover(6),
167             inputTray(8),
168             outputTray(9),
169             marker(10),
170             mediaPath(13),
171             inputChannel(14),
172             interpreter(15),
173             finisher(30),
174             interface(40),
175             scanner(50),
176             scanMediaPath(51),
177             faxModem(60),
178             outputChannel(70),
179             storage(80),
180             processor(90)
181         }
182
183     PowPowerPolicyMaxAccessTC ::= TEXTUAL-CONVENTION
184         STATUS      current
185         DESCRIPTION
186             "Maximum access to policies supported on this Imaging System."
187         REFERENCE
188             "pow[Timeout/Calendar/Event]RowStatus in this MIB."
189         SYNTAX      INTEGER {
190             other(1),                       -- accessible-for-notify
191             unknown(2),                     -- unknown - DO NOT USE
192             none(3),                        -- no policy access supported
193             readOnly(4),                    -- read-only
194             readWrite(5),                   -- read-write
195             readCreate(6)                   -- read-create
196         }
197
198     PowPowerRequestStatusTC ::= TEXTUAL-CONVENTION
199         STATUS      current
200         DESCRIPTION
201             "The current processing status of this power state change
202             request for this component (System or Subunit)."
203         REFERENCE
204             "Section 3.1.6.1 status-code in IETF IPP/1.1 (RFC 2911)."
205         SYNTAX      INTEGER {
206             other(1),
207             unknown(2),
208             none(3),
209             inProgress(4),
210             warning(5),
211             error(6),
212             success(7)
213         }
214
215     PowPowerTimeoutPredicateTC ::= TEXTUAL-CONVENTION
216         STATUS      current
```

```
        DESCRIPTION
            "The timeout predicate for this policy.
            'none' means no timeout predicate (i.e., ignore for trigger).
            'activity' means incoming job, console input, etc.
            'inactivity' means no incoming job, console input, etc."
        REFERENCE
            "Section 4.4.11 printer-state in IETF IPP/1.1 (RFC 2911)."
        SYNTAX      INTEGER {
            other(1),
            unknown(2),
            none(3),
            activity(4),
            inactivity(5)
        }

    --
    -- General Group
    --

    powGeneral              OBJECT IDENTIFIER ::= { powMIBObjects 1 }

    powGeneralNaturalLanguage OBJECT-TYPE
        SYNTAX      DisplayString (SIZE(0..63))
        MAX-ACCESS  read-only
        STATUS      current
        DESCRIPTION
            "The natural language tag (RFC 5646) for all localized text
            string objects (syntax of SnmpAdminString) defined in this MIB
            specified as a visible US-ASCII string (ISO 646) that MUST NOT
            contain any US-ASCII control characters (0x00 to 0x1F inclusive,
            or 0x7F).

            If this object is empty, then the natural language for
            all localized text string objects defined in this MIB MUST
            be 'en-US' (US English)."
        REFERENCE
            "IETF Tags for Identifying Languages (RFC 5646);
            jobNaturalLanguageTag attribute in Job Mon MIB (RFC 2707);
            prtGeneralCurrentLocalization and prtLocalizationTable in
                IETF Printer MIB (RFC 1759/3805);
            attributes-natural-language in IETF IPP/1.1 (RFC 2911)."
        DEFVAL      { "en-US" }             -- US English default
        ::= { powGeneral 1 }

    -- Reserved 'powGeneral.2'
    -- Reserved 'powGeneral.3'
    -- Reserved 'powGeneral.4'
    -- Reserved 'powGeneral.5'
    -- Reserved 'powGeneral.6'
    -- Reserved 'powGeneral.7'
    -- Reserved 'powGeneral.8'
    -- Reserved 'powGeneral.9'

    powGeneralPolicyMaxAccess OBJECT-TYPE
```

```
271         SYNTAX      PowPowerPolicyMaxAccessTC
272         MAX-ACCESS  read-only
273         STATUS      current
274         DESCRIPTION
275             "Maximum access to policies supported on this Imaging System."
276         REFERENCE
277             "pow[Timeout/Calendar/Event]RowStatus in this MIB."
278         DEFVAL      { none }                -- no policies (OPTIONAL)
279         ::= { powGeneral 10 }
280
281     powGeneralPowerUsageIsRMSWatts OBJECT-TYPE
282         SYNTAX      TruthValue
283         MAX-ACCESS  read-only
284         STATUS      current
285         DESCRIPTION
286             "Specifies whether the power consumption objects on this Imaging
287             System use units of Root Mean Square (RMS) watts (true) or
288             unnormalized so-called peak watts (false)."
289         REFERENCE
290             "powSupportTable and powMeterTable in this MIB."
291         DEFVAL      { false }               -- not RMS watts
292         ::= { powGeneral 11 }
293
294     -- Reserved 'powGeneral.12'
295     -- Reserved 'powGeneral.13'
296
297     powGeneralCanRequestPowerStates OBJECT-TYPE
298         SYNTAX      DisplayString (SIZE(0..255))
299         MAX-ACCESS  read-only
300         STATUS      current
301         DESCRIPTION
302             "Specifies all of the stable and transitional power states that
303             can be requested (in policies or operations) on this Imaging
304             System.
305
306             For example:  '20,30,40,50,60,70,80,90'.
307
308             Usage:  Conforming values MUST contain a comma-delimited list of
309             values of PowPowerStateTC in this MIB or the empty string
310             (none)."
311         REFERENCE
312             "PowPowerStateTC in this MIB."
313         DEFVAL      { "" }                  -- none
314         ::= { powGeneral 14 }
315
316     --
317     -- Monitor Group
318     --
319
320     powMonitor              OBJECT IDENTIFIER ::= { powMIBObjects 2 }
321
322     powMonitorTable OBJECT-TYPE
323         SYNTAX      SEQUENCE OF PowMonitorEntry
324         MAX-ACCESS  not-accessible
```

```
325         STATUS      current
326         DESCRIPTION
327             "A table for the monitored components (System or Subunit)
328             on this Imaging System."
329         ::= { powMonitor 1 }
330
331     powMonitorEntry OBJECT-TYPE
332         SYNTAX      PowMonitorEntry
333         MAX-ACCESS  not-accessible
334         STATUS      current
335         DESCRIPTION
336             "An entry for one monitored component (System or Subunit)
337             on this Imaging System."
338         INDEX     { powMonitorIndex }
339         ::= { powMonitorTable 1 }
340
341     PowMonitorEntry ::= SEQUENCE {
342             powMonitorIndex                 Integer32,
343             powMonitorPowerState            PowPowerStateTC,
344             powMonitorPowerStateMessage     SnmpAdminString,
345             powMonitorComponentType         PowPowerComponentTypeTC,
346             powMonitorComponentReferenceId  Integer32
347         }
348
349     powMonitorIndex OBJECT-TYPE
350         SYNTAX      Integer32 (1..2147483647)
351         MAX-ACCESS  not-accessible
352         STATUS      current
353         DESCRIPTION
354             "Primary key of this monitor entry for one referenced component
355             (System or Subunit) on this Imaging System.
356
357             Usage:  The referenced component is uniquely specified by values
358             of powMonitorComponentType and powMonitorComponentReferenceId.
359
360             Usage:  Values of this object MUST be persistent across system
361             reboots, except in the case of major system reconfigurations.
362
363             DEFVAL intentionally omitted - index object."
364         ::= { powMonitorEntry 1 }
365
366     powMonitorPowerState OBJECT-TYPE
367         SYNTAX      PowPowerStateTC
368         MAX-ACCESS  read-only
369         STATUS      current
370         DESCRIPTION
371             "The current power state of this monitored component (System
372             or Subunit) on this Imaging System.
373
374             Usage:  Imaging Systems MUST implement 'on' and 'offSoft'.
375             Imaging Systems SHOULD implement the 'standby', 'suspend', and
376             'hibernate' values.
377
378             Usage:  Imaging Systems MUST support standard power states
```

```
379             (e.g., 'standby') whenever they support vendor extensions (e.g.,
380             'standbyVendor1')."
381         REFERENCE
382             "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
383             powLogPowerState in this MIB."
384         DEFVAL      { unknown }             -- unknown power state
385         ::= { powMonitorEntry 2 }
386
387     powMonitorPowerStateMessage OBJECT-TYPE
388         SYNTAX      SnmpAdminString (SIZE(0..255))
389         MAX-ACCESS  read-only
390         STATUS      current
391         DESCRIPTION
392             "The human-readable message that describes, explains, or
393             qualifies the current power state for this monitored component
394             (System or Subunit) on this Imaging System, specified as a
395             Unicode string encoded in UTF-8 (RFC 3629) in the natural
396             language specified in powGeneralNaturalLanguage.
397
398             For example:  'On from calendar trigger (34 watts)'.
399
400             Usage:  Conforming values:
401             (a) MUST identify the power state;
402             (b) SHOULD identify the method of entry to the power state,
403             e.g., 'from timeout trigger' or 'from user request';
404             (c) SHOULD identify the nominal power consumption, e.g.,
405             '(34 watts)'; and
406             (d) MAY include any other power-related information, e.g., 'can
407             accept jobs' or 'can process jobs'."
408         REFERENCE
409             "powLogPowerStateMessage in this MIB."
410         DEFVAL      { "" }                  -- no power state message
411         ::= { powMonitorEntry 3 }
412
413     powMonitorComponentType OBJECT-TYPE
414         SYNTAX      PowPowerComponentTypeTC
415         MAX-ACCESS  read-only
416         STATUS      current
417         DESCRIPTION
418             "The type of this monitored component (System or Subunit)
419             on this Imaging System.
420
421             Usage:  Imaging Systems MUST implement the 'system' value.
422             Imaging Systems SHOULD implement the 'scanner' and 'marker'
423             values, if these components are present."
424         REFERENCE
425             "IcSubunitTypeTC, icSubunitType, and icKeySubunitType in
426                 PWG Imaging System State and Counter MIB v2 (PWG 5106.3);
427             prtAlertGroup in IETF Printer MIB (RFC 1759/3805);
428             PrtAlertGroupTC in IANA Printer MIB (RFC 3805
429                 and http://www.iana.org/assignments/ianaprinter-mib)."
430         DEFVAL      { system }              -- system object
431         ::= { powMonitorEntry 4 }
432
```

```
433   powMonitorComponentReferenceId OBJECT-TYPE
434       SYNTAX      Integer32 (0..2147483647)
435       MAX-ACCESS  read-only
436       STATUS      current
437       DESCRIPTION
438           "The reference identifier of this monitored component (System
439           or Subunit) on this Imaging System or zero (if not available,
440           because there is no corresponding component in another MIB).
441
442           Usage:  Conforming values:
443           (a) for System, MUST be the corresponding hrDeviceIndex (for
444           hrDevicePrinter) in IETF Host Resources MIB (RFC 2790), if IETF
445           Printer MIB (RFC 3805) is implemented; otherwise, SHOULD be a
446           corresponding hrDeviceIndex (e.g., for hrDeviceProcessor);
447           (b) for Subunit defined in IETF Printer MIB (RFC 3805), MUST be
448           the corresponding Subunit index (e.g., prtInputIndex), if IETF
449           Printer MIB (RFC 3805) is implemented; otherwise SHOULD be a
450           corresponding hrDeviceIndex (e.g., for hrDeviceKeyboard);
451           (c) For Finisher, MUST be the corresponding finDeviceIndex in
452           IETF Finisher MIB (RFC 3806), if IETF Printer MIB (RFC 3805) and
453           IETF Finisher MIB (RFC 3806) are implemented; otherwise SHOULD
454           be a corresponding hrDeviceIndex;
455           (d) for Interface, MUST be the corresponding ifIndex in IETF
456           MIB-II (RFC 1213);
457           (e) for FaxModem, MUST be the corresponding hrDeviceIndex
458           (for hrDeviceModem) in IETF Host Resources MIB (RFC 2790);
459           (f) for Processor, MUST be the corresponding hrDeviceIndex
460           (for hrDeviceProcessor or hrDeviceCoprocessor) in IETF Host
461           Resources MIB (RFC 2790);
462           (g) for Scanner or ScanMediaPath, MUST be the corresponding
463           hrDeviceIndex (for hrDeviceOther or vendor OID) in IETF Host
464           Resources MIB (RFC 2790);
465           (h) for OutputChannel, MUST be the corresponding hrDeviceIndex
466           (for hrDeviceNetwork or vendor OID) in IETF Host Resources MIB
467           (RFC 2790); and
468           (i) for Storage, MUST be the corresponding hrStorageIndex in
469           IETF Host Resources MIB (RFC 2790)."
470       REFERENCE
471           "hrDeviceIndex and hrDeviceType in IETF Host Resources MIB
472               (RFC 2790);
473           powLogComponentReferenceId in this MIB."
474       DEFVAL      { 0 }                   -- no component reference ID
475       ::= { powMonitorEntry 5 }
476
477   --
478   -- Log Group
479   --
480
481   powLog                  OBJECT IDENTIFIER ::= { powMIBObjects 3 }
482
483   powLogTable OBJECT-TYPE
484       SYNTAX      SEQUENCE OF PowLogEntry
485       MAX-ACCESS  not-accessible
486       STATUS      current
```

```
487         DESCRIPTION
488             "A table of the log entries on this Imaging System.
489
490             Usage:  Conforming implementations SHOULD support at least 10
491             entries concurrently in the powLogTable and MUST always delete
492             the oldest entry first (FIFO) for memory management, i.e., the
493             powLogTable always consists of a sliding window of entries with
494             contiguous values of powLogIndex."
495         ::= { powLog 1 }
496
497     powLogEntry OBJECT-TYPE
498         SYNTAX      PowLogEntry
499         MAX-ACCESS  not-accessible
500         STATUS      current
501         DESCRIPTION
502             "An entry for a log entry on this Imaging System."
503         INDEX     { powLogIndex }
504         ::= { powLogTable 1 }
505
506     PowLogEntry ::= SEQUENCE {
507             powLogIndex                     Integer32,
508             powLogPowerState                PowPowerStateTC,
509             powLogPowerStateMessage         SnmpAdminString,
510             powLogPowerStateDateAndTime     DateAndTime,
511             powLogComponentType             PowPowerComponentTypeTC,
512             powLogComponentReferenceId      Integer32
513         }
514
515     powLogIndex OBJECT-TYPE
516         SYNTAX      Integer32 (1..2147483647)
517         MAX-ACCESS  not-accessible
518         STATUS      current
519         DESCRIPTION
520             "Primary key of this log entry on this Imaging System.
521
522             Usage:  Values of this object MUST monotonically increase over
523             time and MUST NOT reset in the lifetime of this Imaging System.
524
525             Usage:  Values of this object MUST be persistent across system
526             reboots.
527
528             DEFVAL intentionally omitted - index object."
529         ::= { powLogEntry 1 }
530
531     powLogPowerState OBJECT-TYPE
532         SYNTAX      PowPowerStateTC
533         MAX-ACCESS  read-only
534         STATUS      current
535         DESCRIPTION
536             "The logged power state of the referenced component (System or
537             Subunit) on this Imaging System.
538
539             Usage:  Imaging Systems MUST implement 'on' and 'offSoft'.
540             Imaging Systems SHOULD implement the 'standby', 'suspend', and
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541             'hibernate' values.
542
543             Usage:  Imaging Systems MUST support standard power states
544             (e.g., 'standby') whenever they support vendor extensions (e.g.,
545             'standbyVendor1').
546
547             Usage:  Imaging Systems SHOULD only add entries to powLogTable
548             when a power state transition occurs (i.e., successive rows in
549             the powLogTable for the same component SHOULD NOT have the same
550             power state)."
551         REFERENCE
552             "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
553             powMonitorPowerState in this MIB."
554         DEFVAL      { unknown }             -- unknown power state
555         ::= { powLogEntry 2 }
556
557     powLogPowerStateMessage OBJECT-TYPE
558         SYNTAX      SnmpAdminString (SIZE(0..255))
559         MAX-ACCESS  read-only
560         STATUS      current
561         DESCRIPTION
562             "The human-readable message that describes, explains, or
563             qualifies the logged power state for the referenced component
564             (System or Subunit) on this Imaging System, specified as a
565             Unicode string encoded in UTF-8 (RFC 3629) in the natural
566             language specified in powGeneralNaturalLanguage."
567         REFERENCE
568             "powMonitorPowerStateMessage in this MIB."
569         DEFVAL      { "" }                  -- no power state message
570         ::= { powLogEntry 3 }
571
572     powLogPowerStateDateAndTime OBJECT-TYPE
573         SYNTAX      DateAndTime
574         MAX-ACCESS  read-only
575         STATUS      current
576         DESCRIPTION
577             "The date and time of this logged power state transition on the
578             referenced component (System or Subunit) on this Imaging
579             System."
580         REFERENCE
581             "hrSystemDate in IETF Host Resources MIB (RFC 2790)."
582         ::= { powLogEntry 4 }
583
584     powLogComponentType OBJECT-TYPE
585         SYNTAX      PowPowerComponentTypeTC
586         MAX-ACCESS  read-only
587         STATUS      current
588         DESCRIPTION
589             "The type of this logged component (System or Subunit) on this
590             Imaging System.
591
592             Usage:  Imaging Systems MUST implement the 'system' value.
593             Imaging Systems SHOULD implement the 'scanner' and 'marker'
594             values, if these components are present."
```

```
595         REFERENCE
596             "IcSubunitTypeTC, icSubunitType, and icKeySubunitType in
597                 PWG Imaging System State and Counter MIB v2 (PWG 5106.3);
598             prtAlertGroup in IETF Printer MIB (RFC 1759/3805);
599             PrtAlertGroupTC in IANA Printer MIB (RFC 3805
600                 and http://www.iana.org/assignments/ianaprinter-mib);
601             powMonitorComponentType in this MIB."
602         DEFVAL      { system }              -- system object
603         ::= { powLogEntry 5 }
604
605     powLogComponentReferenceId OBJECT-TYPE
606         SYNTAX      Integer32 (0..2147483647)
607         MAX-ACCESS  read-only
608         STATUS      current
609         DESCRIPTION
610             "The reference identifier of this logged component (System
611             or Subunit) on this Imaging System or zero (none)."
612         REFERENCE
613             "powMonitorComponentReferenceId in this MIB."
614         DEFVAL      { 0 }                   -- no component reference ID
615         ::= { powLogEntry 6 }
616
617     --
618     -- Support Group
619     --
620
621     powSupport              OBJECT IDENTIFIER ::= { powMIBObjects 4 }
622
623     powSupportTable OBJECT-TYPE
624         SYNTAX      SEQUENCE OF PowSupportEntry
625         MAX-ACCESS  not-accessible
626         STATUS      current
627         DESCRIPTION
628             "A table of the supported stable power states for the monitored
629             components (System or Subunit) on this Imaging System."
630         ::= { powSupport 1 }
631
632     powSupportEntry OBJECT-TYPE
633         SYNTAX      PowSupportEntry
634         MAX-ACCESS  not-accessible
635         STATUS      current
636         DESCRIPTION
637             "An entry for one supported stable power state for one monitored
638             component (System or Subunit) on this Imaging System."
639         INDEX     { powMonitorIndex,
640                     powSupportPowerState }
641         ::= { powSupportTable 1 }
642
643     PowSupportEntry ::= SEQUENCE {
644             powSupportPowerState            PowPowerStateTC,
645             powSupportPowerInactiveWatts    Integer32,
646             powSupportPowerActiveWatts      Integer32,
647             powSupportCanAcceptJobs         TruthValue,
648             powSupportCanProcessJobs        TruthValue,
```

```
649             powSupportCanRequestPowerState  TruthValue,
650             powSupportCanUseInterfaces      DisplayString,
651             powSupportPowerPeakWatts        Integer32
652         }
653
654     powSupportPowerState OBJECT-TYPE
655         SYNTAX      PowPowerStateTC
656         MAX-ACCESS  not-accessible
657         STATUS      current
658         DESCRIPTION
659             "The secondary key of this supported stable power state on this
660             component (System or Subunit) on this Imaging System.
661
662             Usage:  The value of this object MUST be a stable power state.
663
664             Usage:  Imaging Systems MUST implement 'on' and 'offSoft'.
665             Imaging Systems SHOULD implement the 'standby', 'suspend', and
666             'hibernate' values.
667
668             Usage:  Imaging Systems MUST support standard power states
669             (e.g., 'standby') whenever they support vendor extensions (e.g.,
670             'standbyVendor1').
671
672             DEFVAL intentionally omitted - index object."
673         REFERENCE
674             "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
675             powMonitorPowerState in this MIB."
676         ::= { powSupportEntry 1 }
677
678     powSupportPowerInactiveWatts OBJECT-TYPE
679         SYNTAX      Integer32 (0..2147483647)
680         UNITS       "watts"
681         MAX-ACCESS  read-only
682         STATUS      current
683         DESCRIPTION
684             "The nominal power consumption in watts of this stable power
685             state on this component (System or Subunit) on this Imaging
686             System or zero (for less than one watt, i.e., nominal none),
687             when the component is in a inactive operational state (e.g.,
688             Idle or Stopped).
689
690             Usage:  This nominal power consumption MUST be determined by the
691             manufacturer and NOT by actual power consumption measurement."
692         DEFVAL      { 0 }                   -- no inactive power usage
693         ::= { powSupportEntry 2 }
694
695     powSupportPowerActiveWatts OBJECT-TYPE
696         SYNTAX      Integer32 (0..2147483647)
697         UNITS       "watts"
698         MAX-ACCESS  read-only
699         STATUS      current
700         DESCRIPTION
701             "The nominal power consumption in watts of this stable power
702             state on this component (System or Subunit) on this Imaging
```

```
703             System or zero (for less than one watt, i.e., nominal none),
704             when the component is in an active operational state (e.g.,
705             Processing or Testing).
706
707             Usage:  This nominal power consumption MUST be determined by the
708             manufacturer and NOT by actual power consumption measurement."
709         DEFVAL      { 0 }                   -- no active power usage
710         ::= { powSupportEntry 3 }
711
712     powSupportCanAcceptJobs OBJECT-TYPE
713         SYNTAX      TruthValue
714         MAX-ACCESS  read-only
715         STATUS      current
716         DESCRIPTION
717             "Specifies whether this stable power state on this component
718             (System or Subunit) on this Imaging System can accept incoming
719             jobs (unless disabled by Administrator).
720
721             Usage:  This supported power state capability MUST NOT report
722             the disabled condition."
723         REFERENCE
724             "Section 3.1.1 Disable-Printer in IETF IPP/1.1 System Admin
725             (RFC 3998)."
726         DEFVAL      { false }               -- cannot accept jobs in state
727         ::= { powSupportEntry 4 }
728
729     powSupportCanProcessJobs OBJECT-TYPE
730         SYNTAX      TruthValue
731         MAX-ACCESS  read-only
732         STATUS      current
733         DESCRIPTION
734             "Specifies whether this stable power state on this component
735             (System or Subunit) on this Imaging System can process new or
736             queued jobs (unless paused by Administrator).
737
738             Usage:  This supported power state capability MUST NOT report
739             the paused condition."
740         REFERENCE
741             "Section 3.2.7 Pause-Printer in IETF IPP/1.1 (RFC 2911)."
742         DEFVAL      { false }               -- cannot process jobs in state
743         ::= { powSupportEntry 5 }
744
745     powSupportCanRequestPowerState OBJECT-TYPE
746         SYNTAX      TruthValue
747         MAX-ACCESS  read-only
748         STATUS      current
749         DESCRIPTION
750             "Specifies whether this stabled power state on this component
751             (System or Subunit) on this Imaging System is valid for use in
752             power requests and power policies."
753         REFERENCE
754             "powRequestPowerState in this MIB."
755         DEFVAL      { false }               -- not valid state for requests
756         ::= { powSupportEntry 6 }
```

```
757
758   powSupportCanUseInterfaces OBJECT-TYPE
759       SYNTAX      DisplayString (SIZE(0..255))
760       MAX-ACCESS  read-only
761       STATUS      current
762       DESCRIPTION
763           "Specifies whether this stable power state on this component
764           (System or Subunit) on this Imaging System can use the specified
765           interfaces.
766
767           For example:  '1,3,4'.
768
769           Usage:  Conforming values MUST contain a comma-delimited list of
770           values of ifIndex in IETF MIB-II (RFC 1213) or the empty string
771           (none)."
772       REFERENCE
773           "ifIndex in IETF MIB-II (RFC 1213)."
774       DEFVAL      { "" }                  -- cannot use any interfaces
775       ::= { powSupportEntry 7 }
776
777   powSupportPowerPeakWatts OBJECT-TYPE
778       SYNTAX      Integer32 (0..2147483647)
779       UNITS       "watts"
780       MAX-ACCESS  read-only
781       STATUS      current
782       DESCRIPTION
783           "The peak power consumption in watts of this stable power
784           state on this component (System or Subunit) on this Imaging
785           System or zero (for less than one watt, i.e., peak none),
786           when the component is in an active operational state (e.g.,
787           Processing or Testing).
788
789           Usage:  This peak power consumption MUST be determined by the
790           manufacturer and NOT by actual power consumption measurement."
791       DEFVAL      { 0 }                   -- no peak power usage
792       ::= { powSupportEntry 8 }
793
794   --
795   -- Transition Group
796   --
797
798   powTransition           OBJECT IDENTIFIER ::= { powMIBObjects 5 }
799
800   powTransitionTable OBJECT-TYPE
801       SYNTAX      SEQUENCE OF PowTransitionEntry
802       MAX-ACCESS  not-accessible
803       STATUS      current
804       DESCRIPTION
805           "A table of the supported transitions between stable power
806           states for the monitored components (System or Subunit) on this
807           Imaging System."
808       ::= { powTransition 1 }
809
810   powTransitionEntry OBJECT-TYPE
```

```
811         SYNTAX      PowTransitionEntry
812         MAX-ACCESS  not-accessible
813         STATUS      current
814         DESCRIPTION
815             "An entry for one supported transition between stable power
816             states for the monitored components (System or Subunit) on this
817             Imaging System."
818         INDEX     { powMonitorIndex,
819                     powTransitionStartPowerState,
820                     powTransitionEndPowerState }
821         ::= { powTransitionTable 1 }
822
823     PowTransitionEntry ::= SEQUENCE {
824             powTransitionStartPowerState    PowPowerStateTC,
825             powTransitionEndPowerState      PowPowerStateTC,
826             powTransitionStateChangeSeconds Integer32
827         }
828
829     powTransitionStartPowerState OBJECT-TYPE
830         SYNTAX      PowPowerStateTC
831         MAX-ACCESS  not-accessible
832         STATUS      current
833         DESCRIPTION
834             "The secondary key of this supported power transition on this
835             component (System or Subunit) on this Imaging System.
836
837             Usage:  The value of this object MUST be a stable power state.
838
839             Usage:  Imaging Systems MUST implement 'on' and 'offSoft'.
840             Imaging Systems SHOULD implement the 'standby', 'suspend', and
841             'hibernate' values.
842
843             Usage:  Imaging Systems MUST support standard power states
844             (e.g., 'standby') whenever they support vendor extensions (e.g.,
845             'standbyVendor1').
846
847             DEFVAL intentionally omitted - index object."
848         REFERENCE
849             "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
850             powMonitorPowerState in this MIB."
851         ::= { powTransitionEntry 1 }
852
853     powTransitionEndPowerState OBJECT-TYPE
854         SYNTAX      PowPowerStateTC
855         MAX-ACCESS  not-accessible
856         STATUS      current
857         DESCRIPTION
858             "The tertiary key of this supported power transition on this
859             component (System or Subunit) on this Imaging System.
860
861             Usage:  The value of this object MUST be a stable power state.
862
863             Usage:  Imaging Systems MUST implement 'on' and 'offSoft'.
864             Imaging Systems SHOULD implement the 'standby', 'suspend', and
```

```
865             'hibernate' values.
866
867             Usage:  Imaging Systems MUST support standard power states
868             (e.g., 'standby') whenever they support vendor extensions (e.g.,
869             'standbyVendor1').
870
871             DEFVAL intentionally omitted - index object."
872         REFERENCE
873             "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
874             powMonitorPowerState in this MIB."
875         ::= { powTransitionEntry 2 }
876
877     powTransitionStateChangeSeconds OBJECT-TYPE
878         SYNTAX      Integer32 (0..2147483647)
879         UNITS       "seconds"
880         MAX-ACCESS  read-only
881         STATUS      current
882         DESCRIPTION
883             "The nominal duration in seconds of this supported power state
884             transition on this component (System or Subunit) on this Imaging
885             System or zero (for less than one second, i.e., nominal
886             immediate).
887
888             Usage:  This nominal transition time MUST be determined by the
889             manufacturer and NOT by actual transition duration measurement."
890         DEFVAL      { 0 }                   -- nominal immediate
891         ::= { powTransitionEntry 3 }
892
893     --
894     -- Request Group
895     --
896
897     powRequest              OBJECT IDENTIFIER ::= { powMIBObjects 6 }
898
899     powRequestTable OBJECT-TYPE
900         SYNTAX      SEQUENCE OF PowRequestEntry
901         MAX-ACCESS  not-accessible
902         STATUS      current
903         DESCRIPTION
904             "A table of the requested power state changes for the monitored
905             components (System or Subunit) on this Imaging System."
906         ::= { powRequest 1 }
907
908     powRequestEntry OBJECT-TYPE
909         SYNTAX      PowRequestEntry
910         MAX-ACCESS  not-accessible
911         STATUS      current
912         DESCRIPTION
913             "An entry for one requested power state change for one monitored
914             component (System or Subunit) on this Imaging System."
915         INDEX     { powMonitorIndex }
916         ::= { powRequestTable 1 }
917
918     PowRequestEntry ::= SEQUENCE {
```

```
919             powRequestPowerState            PowPowerStateTC,
920             powRequestStatus                PowPowerRequestStatusTC
921         }
922
923     powRequestPowerState OBJECT-TYPE
924         SYNTAX      PowPowerStateTC
925         MAX-ACCESS  read-write
926         STATUS      current
927         DESCRIPTION
928             "The requested target power state for this component (System
929             or Subunit) on this Imaging System."
930         REFERENCE
931             "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
932             powMonitorPowerState in this MIB;
933             powSupportCanRequestPowerState in this MIB;
934             powRequestStatus in this MIB."
935         DEFVAL      { unknown }             -- unknown power state
936         ::= { powRequestEntry 1 }
937
938     powRequestStatus OBJECT-TYPE
939         SYNTAX      PowPowerRequestStatusTC
940         MAX-ACCESS  read-only
941         STATUS      current
942         DESCRIPTION
943             "The current processing status of this power request for this
944             component (System or Subunit) on this Imaging System."
945         REFERENCE
946             "powRequestPowerState in this MIB."
947         DEFVAL      { none }                -- no request ever processed
948         ::= { powRequestEntry 2 }
949
950     --
951     -- Timeout Group
952     --
953
954     powTimeout              OBJECT IDENTIFIER ::= { powMIBObjects 7 }
955
956     powTimeoutTable OBJECT-TYPE
957         SYNTAX      SEQUENCE OF PowTimeoutEntry
958         MAX-ACCESS  not-accessible
959         STATUS      current
960         DESCRIPTION
961             "A table of the configured timeout policies for the monitored
962             components (System or Subunit) on this Imaging System."
963         ::= { powTimeout 1 }
964
965     powTimeoutEntry OBJECT-TYPE
966         SYNTAX      PowTimeoutEntry
967         MAX-ACCESS  not-accessible
968         STATUS      current
969         DESCRIPTION
970             "An entry for one configured timeout policy for one monitored
971             component (System or Subunit) on this Imaging System."
972         INDEX     { powMonitorIndex,
```

```
                powTimeoutIndex }
    ::= { powTimeoutTable 1 }

PowTimeoutEntry ::= SEQUENCE {
        powTimeoutIndex                 Integer32,
        powTimeoutRequestPowerState     PowPowerStateTC,
        powTimeoutStartPowerState       PowPowerStateTC,
        powTimeoutPredicate             PowPowerTimeoutPredicateTC,
        powTimeoutSeconds               Integer32,
        powTimeoutRowStatus             RowStatus
    }

powTimeoutIndex OBJECT-TYPE
    SYNTAX      Integer32 (1..2147483647)
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        "Secondary key of this timeout policy for this component
        (System or Subunit) on this Imaging System.

        Usage:  Values of this object MUST be persistent across system
        reboots, except in the case of major system reconfigurations.

        DEFVAL intentionally omitted - index object."
    ::= { powTimeoutEntry 1 }

powTimeoutRequestPowerState OBJECT-TYPE
    SYNTAX      PowPowerStateTC
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        "The requested target power state for this component (System
        or Subunit) on this Imaging System when this timeout policy is
        triggered."
    REFERENCE
        "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
        powMonitorPowerState in this MIB;
        powSupportCanRequestPowerState in this MIB;
        powRequestPowerState in this MIB."
    DEFVAL      { unknown }             -- unknown power state
    ::= { powTimeoutEntry 2 }

powTimeoutStartPowerState OBJECT-TYPE
    SYNTAX      PowPowerStateTC
    MAX-ACCESS  read-create
    STATUS      current
    DESCRIPTION
        "The specific start power state for this component (System
        or Subunit) on this Imaging System for this timeout policy."
    REFERENCE
        "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
        powMonitorPowerState in this MIB."
    DEFVAL      { notApplicable }       -- no start power state
    ::= { powTimeoutEntry 3 }
```

```
1027
1028    powTimeoutPredicate OBJECT-TYPE
1029        SYNTAX      PowPowerTimeoutPredicateTC
1030        MAX-ACCESS  read-create
1031        STATUS      current
1032        DESCRIPTION
1033            "The predicate for this timeout policy on this component (System
1034            or Subunit) on this Imaging System."
1035        REFERENCE
1036            "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
1037            powMonitorPowerState in this MIB."
1038        DEFVAL      { none }                -- no predicate
1039        ::= { powTimeoutEntry 4 }
1040
1041    powTimeoutSeconds OBJECT-TYPE
1042        SYNTAX      Integer32 (0..2147483647)
1043        UNITS       "seconds"
1044        MAX-ACCESS  read-create
1045        STATUS      current
1046        DESCRIPTION
1047            "The nominal duration in seconds of this timeout policy
1048            on this component (System or Subunit) on this Imaging System
1049            or zero (none)."
1050        REFERENCE
1051            "schedInterval in IETF Schedule MIB (RFC 3231)."
1052        DEFVAL      { 0 }                   -- none
1053        ::= { powTimeoutEntry 5 }
1054
1055    powTimeoutRowStatus OBJECT-TYPE
1056        SYNTAX      RowStatus
1057        MAX-ACCESS  read-create
1058        STATUS      current
1059        DESCRIPTION
1060            "The row status management object for this timeout policy
1061            on this component (System or Subunit) on this Imaging System."
1062        REFERENCE
1063            "schedRowStatus in IETF Schedule MIB (RFC 3231)."
1064        DEFVAL      { notInService }        -- inactive
1065        ::= { powTimeoutEntry 6 }
1066
1067    --
1068    -- Calendar Group
1069    --
1070
1071    powCalendar             OBJECT IDENTIFIER ::= { powMIBObjects 8 }
1072
1073    powCalendarTable OBJECT-TYPE
1074        SYNTAX      SEQUENCE OF PowCalendarEntry
1075        MAX-ACCESS  not-accessible
1076        STATUS      current
1077        DESCRIPTION
1078            "A table of the configured calendar policies for the monitored
1079            components (System or Subunit) on this Imaging System."
1080        ::= { powCalendar 1 }
```

```
1081
1082  powCalendarEntry OBJECT-TYPE
1083      SYNTAX      PowCalendarEntry
1084      MAX-ACCESS  not-accessible
1085      STATUS      current
1086      DESCRIPTION
1087          "An entry for one configured calendar policy for one monitored
1088          component (System or Subunit) on this Imaging System."
1089      INDEX     { powMonitorIndex,
1090                  powCalendarIndex }
1091      ::= { powCalendarTable 1 }
1092
1093  PowCalendarEntry ::= SEQUENCE {
1094          powCalendarIndex                Integer32,
1095          powCalendarRequestPowerState    PowPowerStateTC,
1096          powCalendarRunOnce              TruthValue,
1097          powCalendarDayOfWeek            PowPowerCalendarDayOfWeekTC,
1098          powCalendarMonth                PowPowerCalendarMonthTC,
1099          powCalendarDay                  Integer32,
1100          powCalendarHour                 Integer32,
1101          powCalendarMinute               Integer32,
1102          powCalendarRowStatus            RowStatus
1103      }
1104
1105  powCalendarIndex OBJECT-TYPE
1106      SYNTAX      Integer32 (1..2147483647)
1107      MAX-ACCESS  not-accessible
1108      STATUS      current
1109      DESCRIPTION
1110          "Secondary key of this calendar policy for this component
1111          (System or Subunit) on this Imaging System.
1112
1113          Usage:  Values of this object MUST be persistent across system
1114          reboots, except in the case of major system reconfigurations.
1115
1116          DEFVAL intentionally omitted - index object."
1117      ::= { powCalendarEntry 1 }
1118
1119  powCalendarRequestPowerState OBJECT-TYPE
1120      SYNTAX      PowPowerStateTC
1121      MAX-ACCESS  read-create
1122      STATUS      current
1123      DESCRIPTION
1124          "The requested target power state for this component (System
1125          or Subunit) on this Imaging System when this calendar policy is
1126          triggered."
1127      REFERENCE
1128          "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
1129          powMonitorPowerState in this MIB;
1130          powSupportCanRequestPowerState in this MIB;
1131          powRequestPowerState in this MIB."
1132      DEFVAL      { unknown }             -- unknown power state
1133      ::= { powCalendarEntry 2 }
1134
```

```
1135    powCalendarRunOnce OBJECT-TYPE
1136        SYNTAX      TruthValue
1137        MAX-ACCESS  read-create
1138        STATUS      current
1139        DESCRIPTION
1140            "Specifies whether this calendar policy on this component
1141            (System or Subunit) on this Imaging System can be triggered
1142            more than once (false) or exactly once (true)."
1143        REFERENCE
1144            "schedType in IETF Schedule MIB (RFC 3231)."
1145        DEFVAL      { false }               -- multiple executions
1146        ::= { powCalendarEntry 3 }
1147
1148    powCalendarDayOfWeek OBJECT-TYPE
1149        SYNTAX      PowPowerCalendarDayOfWeekTC
1150        MAX-ACCESS  read-create
1151        STATUS      current
1152        DESCRIPTION
1153            "The trigger day of week (Sunday through Saturday or any) for
1154            this calendar policy on this component (System or Subunit) on
1155            this Imaging System."
1156        REFERENCE
1157            "schedWeekDay in IETF Schedule MIB (RFC 3231)."
1158        DEFVAL      { any }                 -- any day of week
1159        ::= { powCalendarEntry 4 }
1160
1161    powCalendarMonth OBJECT-TYPE
1162        SYNTAX      PowPowerCalendarMonthTC
1163        MAX-ACCESS  read-create
1164        STATUS      current
1165        DESCRIPTION
1166            "The trigger month (January through December or any) for this
1167            calendar policy on this component (System or Subunit) on this
1168            Imaging System."
1169        REFERENCE
1170            "schedMonth in IETF Schedule MIB (RFC 3231)."
1171        DEFVAL      { any }                 -- any month
1172        ::= { powCalendarEntry 5 }
1173
1174    powCalendarDay OBJECT-TYPE
1175        SYNTAX      Integer32 (0..31)
1176        MAX-ACCESS  read-create
1177        STATUS      current
1178        DESCRIPTION
1179            "The trigger day or zero (any) for this calendar policy on
1180            this component (System or Subunit) on this Imaging System.
1181
1182            Usage:  '1' is the first day of the month, '2' is the second
1183            day of the month, etc."
1184        REFERENCE
1185            "schedDay in IETF Schedule MIB (RFC 3231)."
1186        DEFVAL      { 0 }                   -- any day of month
1187        ::= { powCalendarEntry 6 }
1188
```

```
1189  powCalendarHour OBJECT-TYPE
1190      SYNTAX      Integer32 (0..23)
1191      MAX-ACCESS  read-create
1192      STATUS      current
1193      DESCRIPTION
1194          "The trigger hour for this calendar policy on this component
1195          (System or Subunit) on this Imaging System.
1196
1197          Usage:  '0' is the first hour of the day (12:00-12:59am), '1' is
1198          the second hour of the day (1:00-1:59 am), etc.  Exactly
1199          midnight (i.e., 12:00am) is specified by a value of zero for
1200          powCalendarHour and a value of zero for powCalendarMinute."
1201      REFERENCE
1202          "schedHour in IETF Schedule MIB (RFC 3231)."
1203      DEFVAL      { 0 }                   -- first hour of the day
1204      ::= { powCalendarEntry 7 }
1205
1206  powCalendarMinute OBJECT-TYPE
1207      SYNTAX      Integer32 (0..59)
1208      MAX-ACCESS  read-create
1209      STATUS      current
1210      DESCRIPTION
1211          "The trigger minute for this calendar policy on this component
1212          (System or Subunit) on this Imaging System.
1213
1214          Usage:  '0' is the first minute of the hour (e.g., 7:00pm), '1'
1215          is the second minute of the hour (e.g., 7:01pm), etc.  Exactly
1216          at the hour (e.g., 7:00pm) is specified by a value of zero for
1217          powCalendarMinute."
1218      REFERENCE
1219          "schedMinute in IETF Schedule MIB (RFC 3231)."
1220      DEFVAL      { 0 }                   -- first minute of the hour
1221      ::= { powCalendarEntry 8 }
1222
1223  powCalendarRowStatus OBJECT-TYPE
1224      SYNTAX      RowStatus
1225      MAX-ACCESS  read-create
1226      STATUS      current
1227      DESCRIPTION
1228          "The row status management object for this calendar policy
1229          on this component (System or Subunit) on this Imaging System."
1230      REFERENCE
1231          "schedRowStatus in IETF Schedule MIB (RFC 3231)."
1232      DEFVAL      { notInService }        -- inactive
1233      ::= { powCalendarEntry 9 }
1234
1235  --
1236  -- Event Group
1237  --
1238
1239  powEvent                OBJECT IDENTIFIER ::= { powMIBObjects 9 }
1240
1241  powEventTable OBJECT-TYPE
1242      SYNTAX      SEQUENCE OF PowEventEntry
```

```
1243        MAX-ACCESS  not-accessible
1244        STATUS      current
1245        DESCRIPTION
1246            "A table of the configured event policies for the monitored
1247            components (System or Subunit) on this Imaging System."
1248        ::= { powEvent 1 }
1249
1250    powEventEntry OBJECT-TYPE
1251        SYNTAX      PowEventEntry
1252        MAX-ACCESS  not-accessible
1253        STATUS      current
1254        DESCRIPTION
1255            "An entry for one configured event policy for one monitored
1256            component (System or Subunit) on this Imaging System."
1257        INDEX     { powMonitorIndex,
1258                    powEventIndex }
1259        ::= { powEventTable 1 }
1260
1261    PowEventEntry ::= SEQUENCE {
1262            powEventIndex                   Integer32,
1263            powEventRequestPowerState       PowPowerStateTC,
1264            powEventName                    DisplayString,
1265            powEventRowStatus               RowStatus
1266        }
1267
1268    powEventIndex OBJECT-TYPE
1269        SYNTAX      Integer32 (1..2147483647)
1270        MAX-ACCESS  not-accessible
1271        STATUS      current
1272        DESCRIPTION
1273            "Secondary key of this event policy for this component
1274            (System or Subunit) on this Imaging System.
1275
1276            Usage:  Values of this object MUST be persistent across system
1277            reboots, except in the case of major system reconfigurations.
1278
1279            DEFVAL intentionally omitted - index object."
1280        ::= { powEventEntry 1 }
1281
1282    powEventRequestPowerState OBJECT-TYPE
1283        SYNTAX      PowPowerStateTC
1284        MAX-ACCESS  read-create
1285        STATUS      current
1286        DESCRIPTION
1287            "The requested target power state for this component (System
1288            or Subunit) on this Imaging System when this event policy is
1289            triggered."
1290        REFERENCE
1291            "Table 3 in section 7.3 in DMTF CIM Power Profile (DSP 1027);
1292            powMonitorPowerState in this MIB;
1293            powSupportCanRequestPowerState in this MIB;
1294            powRequestPowerState in this MIB."
1295        DEFVAL      { unknown }             -- unknown power state
1296        ::= { powEventEntry 2 }
```

```
1297
1298    powEventName OBJECT-TYPE
1299        SYNTAX      DisplayString (SIZE(0..255))
1300        MAX-ACCESS  read-create
1301        STATUS      current
1302        DESCRIPTION
1303            "The trigger event name for this event policy on this component
1304            (System or Subunit) on this Imaging System, specified as a
1305            visible US-ASCII string (ISO 646) that MUST NOT contain any
1306            US-ASCII control characters (0x00 to 0x1F inclusive, or 0x7F).
1307
1308            For example:  'jam'.
1309
1310            Usage:  Conforming values MUST contain either:
1311            (a) the exact case-sensitive label (starting with a lowercase
1312            letter, 'a..z') of an enumerated value in the PrtAlertCodeTC
1313            textual convention in the IANA Printer MIB (e.g., 'jam'); or
1314            (b) a case-sensitive keyword (starting with an uppercase letter,
1315            'A..Z') vendor event name (e.g., 'AcmeCrackedHousing')."
1316        REFERENCE
1317            "prtAlertCode in IETF Printer MIB (RFC 1759/3805);
1318            PrtAlertCodeTC in IANA Printer MIB (RFC 3805
1319                and http://www.iana.org/assignments/ianaprinter-mib)."
1320        DEFVAL      { "" }                  -- no event name
1321        ::= { powEventEntry 3 }
1322
1323    powEventRowStatus OBJECT-TYPE
1324        SYNTAX      RowStatus
1325        MAX-ACCESS  read-create
1326        STATUS      current
1327        DESCRIPTION
1328            "The row status management object for this event policy
1329            on this component (System or Subunit) on this Imaging System."
1330        REFERENCE
1331            "schedRowStatus in IETF Schedule MIB (RFC 3231)."
1332        DEFVAL      { notInService }        -- inactive
1333        ::= { powEventEntry 4 }
1334
1335    --
1336    -- Counter Group
1337    --
1338
1339    powCounter              OBJECT IDENTIFIER ::= { powMIBObjects 10 }
1340
1341    powCounterTable OBJECT-TYPE
1342        SYNTAX      SEQUENCE OF PowCounterEntry
1343        MAX-ACCESS  not-accessible
1344        STATUS      current
1345        DESCRIPTION
1346            "A table of the power transition counters for the monitored
1347            components (System or Subunit) on this Imaging System."
1348        ::= { powCounter 1 }
1349
1350    powCounterEntry OBJECT-TYPE
```

```
1351        SYNTAX      PowCounterEntry
1352        MAX-ACCESS  not-accessible
1353        STATUS      current
1354        DESCRIPTION
1355            "An entry for the power transition counters for one monitored
1356            component (System or Subunit) on this Imaging System."
1357        INDEX     { powMonitorIndex }
1358        ::= { powCounterTable 1 }
1359
1360    PowCounterEntry ::= SEQUENCE {
1361            powCounterHibernateTransitions  Counter32,
1362            powCounterOnTransitions         Counter32,
1363            powCounterStandbyTransitions    Counter32,
1364            powCounterSuspendTransitions    Counter32
1365        }
1366
1367    powCounterHibernateTransitions OBJECT-TYPE
1368        SYNTAX      Counter32
1369        UNITS       "transitions"
1370        MAX-ACCESS  read-only
1371        STATUS      current
1372        DESCRIPTION
1373            "Lifetime number of transitions into the Hibernate power state
1374            of this component (System or Subunit).
1375
1376            DEFVAL intentionally omitted - counter object."
1377        REFERENCE
1378            "powMonitorPowerState and powLogPowerState in this MIB."
1379        ::= { powCounterEntry 1 }
1380
1381    powCounterOnTransitions OBJECT-TYPE
1382        SYNTAX      Counter32
1383        UNITS       "transitions"
1384        MAX-ACCESS  read-only
1385        STATUS      current
1386        DESCRIPTION
1387            "Lifetime number of transitions into the On power state
1388            of this component (System or Subunit).
1389
1390            DEFVAL intentionally omitted - counter object."
1391        REFERENCE
1392            "powMonitorPowerState and powLogPowerState in this MIB."
1393        ::= { powCounterEntry 2 }
1394
1395    powCounterStandbyTransitions OBJECT-TYPE
1396        SYNTAX      Counter32
1397        UNITS       "transitions"
1398        MAX-ACCESS  read-only
1399        STATUS      current
1400        DESCRIPTION
1401            "Lifetime number of transitions into the Standby power state
1402            of this component (System or Subunit).
1403
1404            DEFVAL intentionally omitted - counter object."
```

```
1405        REFERENCE
1406            "powMonitorPowerState and powLogPowerState in this MIB."
1407        ::= { powCounterEntry 3 }
1408
1409    powCounterSuspendTransitions OBJECT-TYPE
1410        SYNTAX      Counter32
1411        UNITS       "transitions"
1412        MAX-ACCESS  read-only
1413        STATUS      current
1414        DESCRIPTION
1415            "Lifetime number of transitions into the Suspend power state
1416            of this component (System or Subunit).
1417
1418            DEFVAL intentionally omitted - counter object."
1419        REFERENCE
1420            "powMonitorPowerState and powLogPowerState in this MIB."
1421        ::= { powCounterEntry 4 }
1422
1423    --
1424    -- Meter Group
1425    --
1426
1427    powMeter                OBJECT IDENTIFIER ::= { powMIBObjects 11 }
1428
1429    powMeterTable OBJECT-TYPE
1430        SYNTAX      SEQUENCE OF PowMeterEntry
1431        MAX-ACCESS  not-accessible
1432        STATUS      current
1433        DESCRIPTION
1434            "A table of the power consumption meters for the monitored
1435            components (System or Subunit) on this Imaging System."
1436        ::= { powMeter 1 }
1437
1438    powMeterEntry OBJECT-TYPE
1439        SYNTAX      PowMeterEntry
1440        MAX-ACCESS  not-accessible
1441        STATUS      current
1442        DESCRIPTION
1443            "An entry for the power consumption meters for one monitored
1444            component (System or Subunit) on this Imaging System."
1445        INDEX     { powMonitorIndex }
1446        ::= { powMeterTable 1 }
1447
1448    PowMeterEntry ::= SEQUENCE {
1449            powMeterPowerMetersAreActual    TruthValue,
1450            powMeterPowerCurrentWatts       Gauge32,
1451            powMeterPowerPeakWatts          Gauge32,
1452            powMeterPowerCurrentMonthKWH    Gauge32,
1453            powMeterPowerPreviousMonthKWH   Gauge32,
1454            powMeterPowerLifetimeKWH        Counter32
1455        }
1456
1457    powMeterPowerMetersAreActual OBJECT-TYPE
1458        SYNTAX      TruthValue
```

```
1459        MAX-ACCESS  read-only
1460        STATUS      current
1461        DESCRIPTION
1462            "Specifies whether power consumption meters on this component
1463            (System or Subunit) are based on actual measurement (true) or
1464            software estimation (false)."
1465        REFERENCE
1466            "powGeneralPowerUsageIsRMSWatts and powMeterTable in this MIB."
1467        DEFVAL      { false }               -- software estimation
1468        ::= { powMeterEntry 1 }
1469
1470    powMeterPowerCurrentWatts OBJECT-TYPE
1471        SYNTAX      Gauge32
1472        UNITS       "watts"
1473        MAX-ACCESS  read-only
1474        STATUS      current
1475        DESCRIPTION
1476            "Current power consumption in watts of this System or Subunit
1477            or zero (for less than one watt, i.e., nominal none).
1478
1479            DEFVAL intentionally omitted - gauge object."
1480        REFERENCE
1481            "powMeterPowerMetersAreActual in this MIB."
1482        ::= { powMeterEntry 2 }
1483
1484    powMeterPowerPeakWatts OBJECT-TYPE
1485        SYNTAX      Gauge32
1486        UNITS       "watts"
1487        MAX-ACCESS  read-only
1488        STATUS      current
1489        DESCRIPTION
1490            "Peak power consumption in watts of this System or Subunit
1491            or zero (for less than one watt, i.e., nominal none), since
1492            last reboot of this Imaging System.
1493
1494            DEFVAL intentionally omitted - gauge object."
1495        REFERENCE
1496            "powMeterPowerMetersAreActual in this MIB."
1497        ::= { powMeterEntry 3 }
1498
1499    powMeterPowerCurrentMonthKWH OBJECT-TYPE
1500        SYNTAX      Gauge32
1501        UNITS       "kilowatthours"
1502        MAX-ACCESS  read-only
1503        STATUS      current
1504        DESCRIPTION
1505            "Current month power consumption in KWH of this System or
1506            Subunit or zero (for less than one watt, i.e., nominal none).
1507
1508            Usage:  Because it specifies the *current* month's power
1509            consumption, the value of this object will change rapidly.
1510
1511            DEFVAL intentionally omitted - gauge object."
1512        REFERENCE
```

```
1513            "powMeterPowerMetersAreActual in this MIB."
1514        ::= { powMeterEntry 4 }
1515
1516    powMeterPowerPreviousMonthKWH OBJECT-TYPE
1517        SYNTAX      Gauge32
1518        UNITS       "kilowatthours"
1519        MAX-ACCESS  read-only
1520        STATUS      current
1521        DESCRIPTION
1522            "Previous month power consumption in KWH of this System or
1523            Subunit or zero (for less than one watt, i.e., nominal none).
1524
1525            Usage:  Because it specifies the *previous* month's power
1526            consumption, the value of this object will be stable and may be
1527            read on any day of the current month (for reliable accounting).
1528
1529            DEFVAL intentionally omitted - gauge object."
1530        REFERENCE
1531            "powMeterPowerMetersAreActual in this MIB."
1532        ::= { powMeterEntry 5 }
1533
1534    powMeterPowerLifetimeKWH OBJECT-TYPE
1535        SYNTAX      Counter32
1536        UNITS       "kilowatthours"
1537        MAX-ACCESS  read-only
1538        STATUS      current
1539        DESCRIPTION
1540            "Lifetime power consumption in KWH of this System or Subunit
1541            or zero (for less than one watt, i.e., nominal none).
1542
1543            DEFVAL intentionally omitted - counter object."
1544        REFERENCE
1545            "powMeterPowerMetersAreActual in this MIB."
1546        ::= { powMeterEntry 6 }
1547
1548    --
1549    -- Power Trap Group
1550    --
1551
1552    powPowerV2Trap NOTIFICATION-TYPE
1553        OBJECTS { powGeneralNaturalLanguage, powLogPowerState,
1554                  powLogPowerStateMessage, powLogPowerStateDateAndTime,
1555                  powLogComponentType, powLogComponentReferenceId }
1556        STATUS  current
1557        DESCRIPTION
1558            "This trap is sent (to registered or configured notification
1559            receivers) when a new power state transition is added to the
1560            'powLogTable'.
1561
1562            Note:  The value of the powLogIndex index object is included in
1563            the instance qualifiers of the explicit variable bindings in
1564            this trap.  The value of sysUpTime in IETF MIB-II (RFC 1213) is
1565            always included in SNMP traps, per RFC 3416."
1566        ::= { powMIBNotifications 1 }
```

```
1567
1568    --
1569    -- Conformance
1570    --
1571
1572    powPowerMIBCompliance MODULE-COMPLIANCE
1573        STATUS      current
1574        DESCRIPTION
1575            "The compliance statement for SNMP Agents that implement this
1576            Imaging System Power MIB."
1577        MODULE -- this module
1578        MANDATORY-GROUPS { powGeneralGroup, powMonitorGroup, powLogGroup }
1579
1580        GROUP   powSupportGroup
1581        DESCRIPTION
1582            "Support group - columnar capabilities objects.
1583
1584            An Imaging System MAY implement the Support group, for
1585            power capabilities."
1586
1587        GROUP   powTransitionGroup
1588        DESCRIPTION
1589            "Transition group - columnar capabilities objects.
1590
1591            An Imaging System MAY implement the Transition group, for
1592            power capabilities."
1593
1594        GROUP   powRequestGroup
1595        DESCRIPTION
1596            "Request group - columnar objects for settings.
1597
1598            An Imaging System MAY implement the Request group, for
1599            power state settings."
1600
1601        GROUP   powTimeoutGroup
1602        DESCRIPTION
1603            "Timeout group - columnar objects for settings.
1604
1605            An Imaging System SHOULD implement the Timeout group, for
1606            power policy settings."
1607
1608        GROUP   powCalendarGroup
1609        DESCRIPTION
1610            "Calendar group - columnar objects for settings.
1611
1612            An Imaging System MAY implement the Calendar group, for
1613            power policy settings."
1614
1615        GROUP   powEventGroup
1616        DESCRIPTION
1617            "Event group - columnar objects for settings.
1618
1619            An Imaging System MAY implement the Event group, for
1620            power policy settings."
```

```
1621
1622        GROUP   powCounterGroup
1623        DESCRIPTION
1624            "Counter group - columnar objects for status.
1625
1626            An Imaging System MAY implement the Counter group, for status."
1627
1628        GROUP   powMeterGroup
1629        DESCRIPTION
1630            "Meter group - columnar objects for status.
1631
1632            An Imaging System MAY implement the Meter group, for status."
1633
1634        GROUP   powPowerTrapGroup
1635        DESCRIPTION
1636            "Power Trap group - notifications.
1637
1638            An Imaging System SHOULD implement the Power Trap group."
1639
1640        OBJECT  powGeneralNaturalLanguage
1641        DESCRIPTION
1642            "If this object is empty, then the natural language for
1643            all localized text string objects defined in this MIB MUST
1644            be 'en-US' (US English)."
1645
1646        OBJECT  powGeneralCanRequestPowerStates
1647        SYNTAX  DisplayString (SIZE(0..63))
1648        DESCRIPTION
1649            "Imaging Systems MUST support at least 63 octets string length."
1650
1651        OBJECT  powMonitorPowerState
1652        SYNTAX  INTEGER {
1653            on(20),
1654            offSoft(80)
1655        }
1656        DESCRIPTION
1657            "Imaging Systems MUST implement the 'on' and 'offSoft' values.
1658            Imaging Systems SHOULD implement the 'standby', 'suspend', and
1659            'hibernate' values.
1660            Imaging Systems MUST support standard power states (e.g.,
1661            'standby') whenever they support vendor extensions (e.g.,
1662            'standbyVendor1')."
1663
1664        OBJECT  powMonitorPowerStateMessage
1665        SYNTAX  SnmpAdminString (SIZE(0..63))
1666        DESCRIPTION
1667            "Imaging Systems MUST support at least 63 octets string length."
1668
1669        OBJECT  powMonitorComponentType
1670        SYNTAX  INTEGER {
1671            system(5)
1672        }
1673        DESCRIPTION
1674            "Imaging Systems MUST implement the 'system' value.
```

```
1675            Imaging Systems SHOULD implement the 'scanner' and 'marker'
1676            values, if these components are present."
1677
1678        OBJECT  powLogPowerState
1679        SYNTAX  INTEGER {
1680            on(20),
1681            offSoft(80)
1682        }
1683        DESCRIPTION
1684            "Imaging Systems MUST implement the 'on' and 'offSoft' values.
1685            Imaging Systems SHOULD implement the 'standby', 'suspend', and
1686            'hibernate' values.
1687            Imaging Systems MUST support standard power states (e.g.,
1688            'standby') whenever they support vendor extensions (e.g.,
1689            'standbyVendor1').
1690            Imaging Systems SHOULD only add entries to the powLogTable
1691            when a power state transition occurs (i.e., successive rows in
1692            the powLogTable for the same component SHOULD NOT have the same
1693            power state)."
1694
1695        OBJECT  powLogPowerStateMessage
1696        SYNTAX  SnmpAdminString (SIZE(0..63))
1697        DESCRIPTION
1698            "Imaging Systems MUST support at least 63 octets string length."
1699
1700        OBJECT  powLogComponentType
1701        SYNTAX  INTEGER {
1702            system(5)
1703        }
1704        DESCRIPTION
1705            "Imaging Systems MUST implement the 'system' value.
1706            Imaging Systems SHOULD implement the 'scanner' and 'marker'
1707            values, if these components are present."
1708
1709        OBJECT  powSupportCanUseInterfaces
1710        SYNTAX  DisplayString (SIZE(0..63))
1711        DESCRIPTION
1712            "Imaging Systems MUST support at least 63 octets string length."
1713
1714        OBJECT  powTimeoutRequestPowerState
1715        MIN-ACCESS  read-only
1716        DESCRIPTION
1717            "Imaging Systems MAY implement this object as read-only."
1718
1719        OBJECT  powTimeoutStartPowerState
1720        MIN-ACCESS  read-only
1721        DESCRIPTION
1722            "Imaging Systems MAY implement this object as read-only."
1723
1724        OBJECT  powTimeoutPredicate
1725        MIN-ACCESS  read-only
1726        DESCRIPTION
1727            "Imaging Systems MAY implement this object as read-only."
1728
```

```
1729        OBJECT  powTimeoutSeconds
1730        MIN-ACCESS  read-only
1731        DESCRIPTION
1732            "Imaging Systems MAY implement this object as read-only."
1733
1734        OBJECT  powTimeoutRowStatus
1735        SYNTAX  INTEGER {
1736            active(1),
1737            notInService(2)
1738        }
1739        MIN-ACCESS  read-only
1740        DESCRIPTION
1741            "Imaging Systems MUST implement 'active' and 'notInService'.
1742            Imaging Systems MAY implement this object as read-only."
1743
1744        OBJECT  powCalendarRequestPowerState
1745        MIN-ACCESS  read-only
1746        DESCRIPTION
1747            "Imaging Systems MAY implement this object as read-only."
1748
1749        OBJECT  powCalendarRunOnce
1750        MIN-ACCESS  read-only
1751        DESCRIPTION
1752            "Imaging Systems MAY implement this object as read-only."
1753
1754        OBJECT  powCalendarDayOfWeek
1755        MIN-ACCESS  read-only
1756        DESCRIPTION
1757            "Imaging Systems MAY implement this object as read-only."
1758
1759        OBJECT  powCalendarMonth
1760        MIN-ACCESS  read-only
1761        DESCRIPTION
1762            "Imaging Systems MAY implement this object as read-only."
1763
1764        OBJECT  powCalendarDay
1765        MIN-ACCESS  read-only
1766        DESCRIPTION
1767            "Imaging Systems MAY implement this object as read-only."
1768
1769        OBJECT  powCalendarHour
1770        MIN-ACCESS  read-only
1771        DESCRIPTION
1772            "Imaging Systems MAY implement this object as read-only."
1773
1774        OBJECT  powCalendarMinute
1775        MIN-ACCESS  read-only
1776        DESCRIPTION
1777            "Imaging Systems MAY implement this object as read-only."
1778
1779        OBJECT  powCalendarRowStatus
1780        SYNTAX  INTEGER {
1781            active(1),
1782            notInService(2)
```

```
1783        }
1784        MIN-ACCESS  read-only
1785        DESCRIPTION
1786            "Imaging Systems MUST implement 'active' and 'notInService'.
1787            Imaging Systems MAY implement this object as read-only."
1788
1789        OBJECT  powEventRequestPowerState
1790        MIN-ACCESS  read-only
1791        DESCRIPTION
1792            "Imaging Systems MAY implement this object as read-only."
1793
1794        OBJECT  powEventName
1795        SYNTAX  DisplayString (SIZE(0..63))
1796        MIN-ACCESS  read-only
1797        DESCRIPTION
1798            "Imaging Systems MUST support at least 63 octets string length.
1799            Imaging Systems MAY implement this object as read-only."
1800
1801        OBJECT  powEventRowStatus
1802        SYNTAX  INTEGER {
1803            active(1),
1804            notInService(2)
1805        }
1806        MIN-ACCESS  read-only
1807        DESCRIPTION
1808            "Imaging Systems MUST implement 'active' and 'notInService'.
1809            Imaging Systems MAY implement this object as read-only."
1810
1811        ::= { powMIBConformance 1 }
1812
1813    --
1814    -- Conformance Groups
1815    --
1816
1817    powGeneralGroup OBJECT-GROUP
1818        OBJECTS {
1819            powGeneralNaturalLanguage,
1820            powGeneralPolicyMaxAccess,
1821            powGeneralPowerUsageIsRMSWatts,
1822            powGeneralCanRequestPowerStates
1823        }
1824        STATUS      current
1825        DESCRIPTION
1826            "General group - scalar status objects."
1827        ::= { powMIBObjectGroups 1 }
1828
1829    powMonitorGroup OBJECT-GROUP
1830        OBJECTS {
1831            powMonitorPowerState,
1832            powMonitorPowerStateMessage,
1833            powMonitorComponentType,
1834            powMonitorComponentReferenceId
1835        }
1836        STATUS      current
```

```
1837        DESCRIPTION
1838            "Monitor group - columnar status objects."
1839        ::= { powMIBObjectGroups 2 }
1840
1841    powLogGroup OBJECT-GROUP
1842        OBJECTS {
1843            powLogPowerState,
1844            powLogPowerStateMessage,
1845            powLogPowerStateDateAndTime,
1846            powLogComponentType,
1847            powLogComponentReferenceId
1848        }
1849        STATUS      current
1850        DESCRIPTION
1851            "Log group - columnar status objects."
1852        ::= { powMIBObjectGroups 3 }
1853
1854    powSupportGroup OBJECT-GROUP
1855        OBJECTS {
1856            powSupportPowerInactiveWatts,
1857            powSupportPowerActiveWatts,
1858            powSupportCanAcceptJobs,
1859            powSupportCanProcessJobs,
1860            powSupportCanRequestPowerState,
1861            powSupportCanUseInterfaces,
1862            powSupportPowerPeakWatts
1863        }
1864        STATUS      current
1865        DESCRIPTION
1866            "Support group - columnar capabilities objects."
1867        ::= { powMIBObjectGroups 4 }
1868
1869    powTransitionGroup OBJECT-GROUP
1870        OBJECTS {
1871            powTransitionStateChangeSeconds
1872        }
1873        STATUS      current
1874        DESCRIPTION
1875            "Transition group - columnar capabilities objects."
1876        ::= { powMIBObjectGroups 5 }
1877
1878    powRequestGroup OBJECT-GROUP
1879        OBJECTS {
1880            powRequestPowerState,
1881            powRequestStatus
1882        }
1883        STATUS      current
1884        DESCRIPTION
1885            "Request group - columnar objects for settings."
1886        ::= { powMIBObjectGroups 6 }
1887
1888    powTimeoutGroup OBJECT-GROUP
1889        OBJECTS {
1890            powTimeoutRequestPowerState,
```

```
1891            powTimeoutStartPowerState,
1892            powTimeoutPredicate,
1893            powTimeoutSeconds,
1894            powTimeoutRowStatus
1895        }
1896        STATUS      current
1897        DESCRIPTION
1898            "Timeout group - columnar objects for settings."
1899        ::= { powMIBObjectGroups 7 }
1900
1901    powCalendarGroup OBJECT-GROUP
1902        OBJECTS {
1903            powCalendarRequestPowerState,
1904            powCalendarRunOnce,
1905            powCalendarDayOfWeek,
1906            powCalendarMonth,
1907            powCalendarDay,
1908            powCalendarHour,
1909            powCalendarMinute,
1910            powCalendarRowStatus
1911        }
1912        STATUS      current
1913        DESCRIPTION
1914            "Calendar group - columnar objects for settings."
1915        ::= { powMIBObjectGroups 8 }
1916
1917    powEventGroup OBJECT-GROUP
1918        OBJECTS {
1919            powEventRequestPowerState,
1920            powEventName,
1921            powEventRowStatus
1922        }
1923        STATUS      current
1924        DESCRIPTION
1925            "Event group - columnar objects for settings."
1926        ::= { powMIBObjectGroups 9 }
1927
1928    powCounterGroup OBJECT-GROUP
1929        OBJECTS {
1930            powCounterHibernateTransitions,
1931            powCounterOnTransitions,
1932            powCounterStandbyTransitions,
1933            powCounterSuspendTransitions
1934        }
1935        STATUS      current
1936        DESCRIPTION
1937            "Counter group - columnar objects for status."
1938        ::= { powMIBObjectGroups 10 }
1939
1940    powMeterGroup OBJECT-GROUP
1941        OBJECTS {
1942            powMeterPowerMetersAreActual,
1943            powMeterPowerCurrentWatts,
1944            powMeterPowerPeakWatts,
```

```
1945            powMeterPowerCurrentMonthKWH,
1946            powMeterPowerPreviousMonthKWH,
1947            powMeterPowerLifetimeKWH
1948        }
1949        STATUS      current
1950        DESCRIPTION
1951            "Meter group - columnar objects for status."
1952        ::= { powMIBObjectGroups 11 }
1953
1954    powPowerTrapGroup NOTIFICATION-GROUP
1955        NOTIFICATIONS { powPowerV2Trap }
1956        STATUS      current
1957        DESCRIPTION
1958            "Power Trap group - notifications."
1959        ::= { powMIBNotificationGroups 1 }
1960
1961    END
1962
```