```
-- Module:  GENERAL-MIB
-- Editor:  Tom Hastings
-- File:    gen.doc, .psr, ps., .txt
-- Date:    October 24, 1995
-- Version: 0.1

-- The General MIB for use with other MIBs
-- that use the host resources MIB (RFC 1514)

GENERAL-MIB DEFINITIONS ::= BEGIN

IMPORTS
        MODULE-IDENTITY, OBJECT-TYPE, experimental
                FROM SNMPv2-SMI                     -- RFC 1442
        RowStatus, DisplayString
                FROM SNMPv2-TC                      -- RFC 1443
        MODULE-COMPLIANCE, OBJECT-GROUP
                FROM SNMPv2-CONF                    -- RFC 1444
        hrDeviceIndex, InternationalDisplayString
                FROM HOST-RESOURCES-MIB             -- RFC 1514
        CodedCharSet
                FROM PRINTER-TC                    -- file: prttc.txt
        CodedLanguage, CodedTerritory,
        CodeIndexedStringIndex, Ordinal16
                FROM GENERAL-TC;              -- file: gentc.txt

  -- Upon publication as RFC, delete this comment and the line following
  -- this comment and change the reference of { printmib 101 }
  -- (below) to { mib-2 X }.
  -- This will result in changing:
  -- 1 3 6 1 3 54 generalMIB(101)    to:
  -- 1 3 6 1 2  1 generalMIB(X)
  -- This will make it easier to translate prototypes to
  -- the standard namespace because the lengths of the OID's won't
  -- change.
  printmib OBJECT IDENTIFIER ::= { experimental 54 }

generalMIB MODULE-IDENTITY
        LAST-UPDATED "9510250000Z"
        ORGANIZATION "IETF/DMTF PrinterWorking Group"
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        DESCRIPTION
                "File: gen.doc, .psr, .ps, .txt
                 Version: 0.1

                 This MIB module specifies objects of a general nature
                 for use with MIBs that use the host resources MIB
                 (see RFC 1514).

                 See the companion general textual-conventions module:
                 GENERAL-TC for the textual conventions and for an
                 explanation of this use of this MIB."
        ::= { printmib 101 }
```

```
61
62   --
63   -- General Current Localization Group
64   --
65   -- This is a group to control the localization of static string objects
66   -- that use the InternationalDisplayString types in existing and new
67   -- MIBs.
68   --
69   -- Implementation of every object in this group is optional.
70   -- However, MIBs that contain objects of type InternationalDisplayString
71   -- shall implement this group.
72   --
73   -- Contains the scalar localization objects that are needed per device.
74   --
75
76   genCurrentLocalization OBJECT IDENTIFIER ::= { generalMIB 3 }
77
78   genCurrentLocalizationTable OBJECT-TYPE
79       SYNTAX     SEQUENCE OF GenCurrentLocalizationEntry
80       MAX-ACCESS not-accessible
81       STATUS     current
82       DESCRIPTION
83           "A table of general localization information per device.  It is
84           put in a table so it can be per device using the hrDeviceIndex."
85       ::= { genCurrentLocalization 1 }
86
87   genCurrentLocalizationEntry OBJECT-TYPE
88       SYNTAX      GenCurrentLocalizationEntry
89       MAX-ACCESS  not-accessible
90       STATUS      current
91       DESCRIPTION
92           "Contains the scalar objects that we want to be per device."
93       INDEX  { hrDeviceIndex }
94       ::= { genCurrentLocalizationTable 1 }
95
96   GenCurrentLocalizationEntry ::= SEQUENCE {
97       genCurrentLocalizationIndex    Ordinal16
98   }
99
100  genCurrentLocalizationIndex OBJECT-TYPE
101      SYNTAX     Ordinal16
102      MAX-ACCESS read-write
103      STATUS     current
104      DESCRIPTION
105          "The value of the genLocalizationIndex corresponding to the
106          current language, country, and character set which shall be
107          used for all objects of type InternationalDisplayString in
108          all legacy and future MIBs.
109
110          Note the Printer MIB has a similar mechanism which controls only
111          objects (of type OCTET STRING) which are in the Printer MIB."
112
113      ::= { genCurrentLocalizationEntry 1 }
114
115
116  --
117  -- General Localization Group
118  --
119  -- This is a group to control the localization of static string objects
120  -- that use the InternationalDisplayString types in legacy and new MIBs.
```

```
121   --
122   -- Implementation of every object in this group is optional.
123   -- However, MIBs that contain objects of type InternationDisplayString
124   -- shall implement this group.
125   --
126   -- Contains the localizations supported by this device.
127   --
128
129   genLocalization OBJECT IDENTIFIER ::= { generalMIB 4 }
130
131   genLocalizationTable OBJECT-TYPE
132       SYNTAX     SEQUENCE OF GenLocalizationEntry
133       MAX-ACCESS not-accessible
134       STATUS     current
135       DESCRIPTION
136           "The available localizations in this device."
137       ::= { genLocalization 1 }
138
139   genLocalizationEntry OBJECT-TYPE
140       SYNTAX      GenLocalizationEntry
141       MAX-ACCESS  not-accessible
142       STATUS      current
143       DESCRIPTION
144           "An entry exists in this table for each Localizaion, e.g. for
145           each combination of Language, Territory and Coded Character
146           Set supported in some objects of InternationalDisplayString
147           type and for each device."
148       INDEX  { hrDeviceIndex, genLocalizationIndex }
149       ::= { genLocalizationTable 1 }
150
151   GenLocalizationEntry ::= SEQUENCE {
152       genLocalizationIndex            Ordinal16,
153       genLocalizationRowStatus        RowStatus,
154       genLocalizationASCIIName        DisplayString,
155       genLocalizationName             InternationalDisplayString,
156       genLocalizationLanguage         CodedLanguage,
157       genLocalizationTerritory        CodedTerritory,
158       genLocalizationCharSet          CodedCharSet
159   }
160
161   genLocalizationIndex OBJECT-TYPE
162       SYNTAX     Ordinal16
163       MAX-ACCESS read-write
164       STATUS     current
165       DESCRIPTION
166           "A unique value used by the device to identify this
167           localization entry.  Although these values may change due to a
168           major reconfiguration of the device (e.g., the addition of new
169           Cover sub-units to a printer), values are expected to remain
170           stable across successive device power cycles."
171       ::= { genLocalizationEntry 1 }
172
173   genLocalizationRowStatus OBJECT-TYPE
174       SYNTAX     RowStatus
175       MAX-ACCESS read-write
176       STATUS     current
177       DESCRIPTION
178           "This object manages the row status of this conceptual row in
179           the 'genLocalizationTable'."
180       ::= { genLocalizationEntry 2 }
```

```
181
182   genLocalizationASCIIName OBJECT-TYPE
183       SYNTAX     DisplayString (SIZE (0..255))
184       MAX-ACCESS read-only
185       STATUS     current
186       DESCRIPTION
187           "The unlocalized human readable name in NVT ASCII of the
188           localization with the language, followed by the territory,
189           followed by the character set.
190
191           Example: English US ASCII"
192       ::= { genLocalizationEntry 3 }
193
194   genLocalizationName OBJECT-TYPE
195       SYNTAX     InternationalDisplayString (SIZE (0..255))
196       MAX-ACCESS read-only
197       STATUS     current
198       DESCRIPTION
199           "The localized human readable name of the localization with
200           the language, followed by the territory, followed by the
201           character set.
202
203           Example: Japanese Japan Kanji (Represented with Kanji chars.)"
204       ::= { genLocalizationEntry 4 }
205
206   genLocalizationLanguage OBJECT-TYPE
207       SYNTAX     CodedLanguage
208       MAX-ACCESS read-only
209       STATUS     current
210       DESCRIPTION
211           "A two character language code from ISO 639.
212           A blank string (two space characters) shall indicate that the
213           territory is not defined.
214           Examples EN, GB, CA, FR, DE."
215       ::= { genLocalizationEntry 5 }
216
217   genLocalizationTerritory OBJECT-TYPE
218       SYNTAX     CodedTerritory
219       MAX-ACCESS read-only
220       STATUS     current
221       DESCRIPTION
222           "A two character country code from ISO 3166.
223           A blank string (two space characters) shall indicate that the
224           territory is not defined.
225           Examples: US, FR, DE, ..."
226       ::= { genLocalizationEntry 6 }
227
228   genLocalizationCharSet OBJECT-TYPE
229       SYNTAX     CodedCharSet
230       MAX-ACCESS read-only
231       STATUS     current
232       DESCRIPTION
233           "The coded character set used for this localization.
234           The value is the enum for the coded character set registered
235           with IANA.  See the CodedCharSet textual-convention in the
236           Printer MIB (RFC 1759)."
237       ::= { genLocalizationEntry 7 }
238
239
240
```

```
241   --
242   -- General Code Indexed String Group
243   --
244   -- This is a group to control the coded character set representation
245   -- of codeset indexed string objects that use the CodeIndexedStringIndex
246   -- types in new MIBs.
247   --
248   -- Implementation of every object in this group is optional.
249   -- However, MIBs that contain objects of type CodeIndexedStringIndex
250   -- shall implement this group.
251   --
252   -- Contains all the current codeset indexed strings for this device.
253   --
254
255   genCodeIndexedString  OBJECT IDENTIFIER ::= { generalMIB 5 }
256
257   genCodeIndexedStringTable OBJECT-TYPE
258       SYNTAX     SEQUENCE OF GenCodeIndexedStringEntry
259       MAX-ACCESS not-accessible
260       STATUS     current
261       DESCRIPTION
262           "The current codeset indexed strings for this device."
263       ::= { genCodeIndexedString 1 }
264
265   genCodeIndexedStringEntry OBJECT-TYPE
266       SYNTAX     GenCodeIndexedStringEntry
267       MAX-ACCESS not-accessible
268       STATUS     current
269       DESCRIPTION
270           "An entry exists in this table containing a code-indexed string
271           in a particular coded character set.  There are separate sets of
272           code-indexed strings for each device.
273
274           If an agent supports multiple coded character representations
275           of a codeset indexed string, including code conversion between,
276           there will be a separate entry for each such coded
277           representation.
278
279           The genCodeIndexedStringCharSet selects which coded
280           character representation is to be returned.  The value of
281           genCodeIndexedStringCharSet is the coded character set enum
282           registered with IANA. See the CodedCharSet textual-convention
283           in the Printer MIB (RFC 1759)."
284       INDEX {
285           hrDeviceIndex,
286           genCodeIndexedStringIndex,
287           genCodeIndexedStringCharSet
288       }
289       ::= { genCodeIndexedStringTable 1 }
290
291   GenCodeIndexedStringEntry ::= SEQUENCE {
292           genCodeIndexedStringIndex         CodeIndexedStringIndex,
293           genCodeIndexedStringCharSet       CodedCharSet,  -- an index
294           genCodeIndexedStringRowStat       RowStatus,
295           genCodeIndexedStringData          OCTET STRING
296   }
297
298   genCodeIndexedStringIndex OBJECT-TYPE
299       SYNTAX     CodeIndexedStringIndex (1..2147483647)
300       MAX-ACCESS not-accessible
```

```
301         STATUS     current
302         DESCRIPTION
303             "A unique value used by the device, along with the following
304             genCodeIndexedStringCharSet, to identify this Coded String
305             entry.
306
307             A value of 0 is not valid for this object."
308         ::= { genCodeIndexedStringEntry 1 }
309
310     genCodeIndexedStringCharSet OBJECT-TYPE
311         SYNTAX     CodedCharSet
312         MAX-ACCESS read-only
313         STATUS     current
314         DESCRIPTION
315             "The coded character set used for this code-indexed string.
316             The value is the enum for the coded character set registered
317             with IANA.  See the CodedCharSet textual-convention in the
318             Printer MIB (RFC 1759)."
319         ::= { genCodeIndexedStringEntry 2 }
320
321     genCodeIndexedStringRowStat OBJECT-TYPE
322         SYNTAX     RowStatus
323         MAX-ACCESS read-write
324         STATUS     current
325         DESCRIPTION
326             "This object manages the row status of this conceptual row
327             in the 'genCodeIndexedStringTable'."
328         ::= { genCodeIndexedStringEntry 3 }
329
330     genCodeIndexedStringData OBJECT-TYPE
331         SYNTAX     OCTET STRING (SIZE(0..255))
332         MAX-ACCESS read-only
333         STATUS     current
334         DESCRIPTION
335             "This is the actual code-indexed string data, represented in the
336             coded character set identified by genCodeIndexedStringCharSet."
337         ::= { genCodeIndexedStringEntry 4 }
338
339
340     -- The General Coded Char Set Group
341     --
342     -- This is a group to control the coded character set representation
343     -- of code-indexed string objects that use the CodeIndexedStringIndex
344     -- types in new MIBs.
345     --
346     -- Implementation of every object in this group is optional.
347     -- However, MIBs that contain objects of type CodeIndexedStringIndex
348     -- shall implement this group.
349     --
350     -- Contains the coded character set identifications of the coded
351     -- character sets supported by this device for representing code-indexed
352     -- strings.
353
354     genCodedCharSet  OBJECT IDENTIFIER ::= { generalMIB 6 }
355
356     genCodedCharSetTable OBJECT-TYPE
357         SYNTAX     SEQUENCE OF GenCodedCharSetEntry
358         MAX-ACCESS not-accessible
359         STATUS     current
360         DESCRIPTION
```

```
361             "The supported coded character sets for this device."
362         ::= { genCodedCharSet 1 }
363
364     genCodedCharSetEntry OBJECT-TYPE
365         SYNTAX     GenCodedCharSetEntry
366         MAX-ACCESS not-accessible
367         STATUS     current
368         DESCRIPTION
369             "An entry exists in this table for each coded character set
370             supported in some objects of CodeIndexedStringIndex type for
371             each device."
372         INDEX  { hrDeviceIndex, genCodedCharSetCharSet }
373         ::= { genCodedCharSetTable 1 }
374
375     GenCodedCharSetEntry ::= SEQUENCE {
376         genCodedCharSetCharSet        CodedCharSet,
377         genCodedCharSetRowStatus      RowStatus,
378         genCodedCharSetASCIIName      DisplayString
379     }
380
381     genCodedCharSetCharSet OBJECT-TYPE
382         SYNTAX     CodedCharSet
383         MAX-ACCESS read-only
384         STATUS     current
385         DESCRIPTION
386             "The supported coded character set enum identifier, used an
387             index for this table.  The value is the enum for the coded
388             character set registered with IANA.  See the CodedCharSet
389             textual-convention in the Printer MIB (RFC 1759)."
390         ::= { genCodedCharSetEntry 1 }
391
392     genCodedCharSetRowStatus OBJECT-TYPE
393         SYNTAX     RowStatus
394         MAX-ACCESS read-write
395         STATUS     current
396         DESCRIPTION
397             "This object manages the row status of this conceptual row in
398             the 'genCodedCharSetTable'."
399         ::= { genCodedCharSetEntry 2 }
400
401     genCodedCharSetASCIIName OBJECT-TYPE
402         SYNTAX     DisplayString (SIZE (0..255))
403         MAX-ACCESS read-only
404         STATUS     current
405         DESCRIPTION
406             "The unlocalized human readable name in ASCII of the
407             coded character set.
408
409             Example: 'ASCII'"
410         ::= { genCodedCharSetEntry 3 }
411
412
413     --
414     -- General MIB Conformance Information
415     --
416     -- With only Optional Conformance Groups
417     --
418
419     genMIBConformance
420                         OBJECT IDENTIFIER ::= { generalMIB 2 }
```

```
421   genMIBGroups
422                       OBJECT IDENTIFIER ::= { genMIBConformance 2 }
423
424   --
425   -- Compliance Statements for the General Localization Group
426   --
427
428   genMIBLocalizationComp MODULE-COMPLIANCE
429       STATUS     current
430       DESCRIPTION
431           "The compliance statement for the agent that implements the
432           General MIB Current Localization Group.
433
434           This group is optional."
435       MODULE -- this module
436       MANDATORY-GROUPS {
437           genCurrentLocalizationGroup,
438           genLocalizationGroup
439       }
440
441       OBJECT      genCurrentLocalizationIndex
442       MIN-ACCESS  read-only
443       DESCRIPTION
444           "It is conformant to implement this object as read-only"
445
446       OBJECT      genLocalizationIndex
447       MIN-ACCESS  read-only
448       DESCRIPTION
449           "It is conformant to implement this object as read-only"
450
451       OBJECT      genLocalizationRowStatus
452       SYNTAX      INTEGER { active(1) }  -- subset of RowStatus
453       MIN-ACCESS  read-only
454       DESCRIPTION
455           "It is conformant to implement this object as read-only, and
456           only one of the enumerated values for the 'RowStatus' textual
457           convention need be supported, specifically:  active(1)."
458
459       ::= { genMIBConformance 3 }
460
461
462   genMIBCodeIndexedStringComp MODULE-COMPLIANCE
463       STATUS       current
464       DESCRIPTION
465           "The compliance statement for the agent that implements the
466           General MIB Coded String Group.
467
468           This group is optional."
469       MODULE -- this module
470       MANDATORY-GROUPS {
471           genCodeIndexedStringGroup,
472           genCodedCharSetGroup
473       }
474
475       OBJECT      genCodeIndexedStringRowStat
476       SYNTAX      INTEGER { active(1) }  -- subset of RowStatus
477       MIN-ACCESS  read-only
478       DESCRIPTION
479           "It is conformant to implement this object as read-only, and
480           only one of the enumerated values for the 'RowStatus' textual
```

```
481             convention need be supported, specifically:  active(1)."
482
483         OBJECT      genCodedCharSetRowStatus
484         SYNTAX      INTEGER { active(1) }  -- subset of RowStatus
485         MIN-ACCESS  read-only
486         DESCRIPTION
487             "It is conformant to implement this object as read-only, and
488             only one of the enumerated values for the 'RowStatus' textual
489             convention need be supported, specifically:  active(1)."
490
491         ::= { genMIBConformance 5 }
492
493
494     --
495     --  Conformance Groups
496     --
497
498     genCurrentLocalizationGroup OBJECT-GROUP
499         OBJECTS {
500             genCurrentLocalizationIndex
501         }
502         STATUS  current
503         DESCRIPTION
504             "The General MIB Current Localization Group."
505         ::= { genMIBGroups 3 }
506
507     genLocalizationGroup OBJECT-GROUP
508         OBJECTS {
509             genLocalizationIndex,
510             genLocalizationRowStatus,
511             genLocalizationASCIIName,
512             genLocalizationName,
513             genLocalizationLanguage,
514             genLocalizationTerritory,
515             genLocalizationCharSet
516         }
517         STATUS  current
518         DESCRIPTION
519             "The General MIB Localization Group."
520         ::= { genMIBGroups 4 }
521
522     genCodeIndexedStringGroup OBJECT-GROUP
523         OBJECTS {
524             genCodeIndexedStringIndex,
525             genCodeIndexedStringCharSet,
526             genCodeIndexedStringRowStat,
527             genCodeIndexedStringData
528         }
529         STATUS  current
530         DESCRIPTION
531             "The General MIB Coded String Group."
532         ::= { genMIBGroups 5 }
533
534     genCodedCharSetGroup OBJECT-GROUP
535         OBJECTS {
536             genCodedCharSetCharSet,
537             genCodedCharSetRowStatus,
538             genCodedCharSetASCIIName
539         }
540         STATUS  current
```

```
541       DESCRIPTION
542           "The General MIB String Support Group."
543       ::= { genMIBGroups 6 }
544
545   END
546
```