X Display Power Management Signaling (DPMS) Extension Protocol Specification

X Project Team Standard

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X Display Power Management Signaling (DPMS) Extension Protocol Specification: X Project Team Standard

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Chapter 1. Overview

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```
DPMS Extension Power Levels
     0     DPMSModeOn          In use
     1     DPMSModeStandby     Blanked, low power
     2     DPMSModeSuspend     Blanked, lower power
     3     DPMSModeOff         Shut off, awaiting activity
```

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Chapter 2. Requests

`DPMSGetVersion`

[illegible]

[illegible]

`DPMSCapable`

[illegible]

[illegible]

`DPMSGetTimeouts`

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

`DPMSSetTimeouts`

[illegible]

[illegible]

[illegible]

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`DPMSEnable`

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`DPMSDisable`

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DPMSForceLevel

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Chapter 3. Events and Errors

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Chapter 4. Encoding

[illegible]

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```
DPMSGetVersion
     1     CARD8          opcode
     1     0              DPMS opcode
     2     2              request length
     2     CARD16         client_major_version
     2     CARD16         client_minor_version
=>
     1     1              Reply
     1                    unused
     2     CARD16         sequence number
     4     0              length
     2     CARD16         server_major_version
     2     CARD16         server_minor_version
     20                   unused
```

```
DPMSCapable
     1     CARD8          opcode
     1     1              DPMS opcode
     2     1              request length
=>
     1     1              Reply
     1                    unused
     2     CARD16         sequence number
     4     0              length
     1     BOOL           capable
     23                   unused
```

```
DPMSGetTimeouts
     1     CARD8          opcode
     1     2              DPMS opcode
     2     1              request length
=>
     1     1              Reply
     1                    unused
     2     CARD16         sequence number
     4     0              length
     2     CARD16         standby_timeout
     2     CARD16         suspend_timeout
     2     CARD16         off_timeout
     18                   unused
```

```
DPMSSetTimeouts
     1     CARD8          opcode
```

```
     1      3             DPMS opcode
     2      3             request length
     2      CARD16        standby_timeout
     2      CARD16        suspend_timeout
     2      CARD16        off_timeout
     2                    unused
=>


DPMSEnable
     1      CARD8         opcode
     1      4             DPMS opcode
     2      1             request length
 =>


DPMSDisable
     1      CARD8         opcode
     1      5             DPMS opcode
     2      1             request length
 =>


DPMSForceLevel
     1      CARD8         opcode
     1      6             DPMS opcode
     2      2             request length
     2                    power_level
          0     DPMSModeOn
          1     DPMSModeStandby
          2     DPMSModeSuspend
          3     DPMSModeOff
     2                    unused
=>


DPMSInfo
     1      CARD8         opcode
     1      7             DPMS opcode
     2      1             request length
=>
     1      1             Reply
     1                    unused
     2      CARD16        sequence number
     4      0             length
     2                    power_level
           0     DPMSModeOn
           1     DPMSModeStandby
           2     DPMSModeSuspend
           3     DPMSModeOff
     1      BOOL          state
     21                   unused
```