

# Cisco IOS® Multiple Features Crafted UDP Packet Vulnerability



**Cisco IOS® Multiple Features Crafted UDP Packet Vulnerability**  
ID : cisco-sa-20090325-udp [CVE-2009-0631](#)  
Date : 2009-03-25 16:00  
Version : 2.0 : Final  
CVSS : 7.8  
Workarounds : No Workarounds available  
Cisco ID : [CSCsk64158](#)

**Summary**

## Issue

Cisco

Cisco IOS® Multiple Features Crafted UDP Packet Vulnerability. This vulnerability affects Cisco IOS versions 12.4T(2009) and later, where a specially crafted UDP packet can cause a denial of service. The vulnerability is due to a buffer overflow in the IP input processing code. The severity is High (CVSS 7.8). No workarounds are available. The Cisco ID is CSCsk64158.

For more information, please visit the Cisco Security Advisory page: <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-udp>

**Affected Products**

Cisco IOS 12.4T(2009) and later. The vulnerability is present in the IP input processing code. It affects the following products:

- Cisco IOS cTCP DoS, t.affected
- <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-ctcp>
- Cisco IOS, t.affected
- <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-ip>
- Cisco IOS, t.affected
- <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-mobileip>

- Cisco IOS **Secure** Copy <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-scp>
- Cisco IOS **Session Initiation Protocol** Denial of Service (DoS) <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-sip>
- Cisco IOS **Multiple Features Crafted TCP Sequence Vulnerability** <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-tcp>
- Cisco IOS **Multiple Features Crafted UDP Packet Vulnerability** <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-udp>
- Cisco IOS **WebVPN** **SSLVPN** <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-webvpn>

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è©²á½“ã™ã,ãfãf¼ã,ãfšãf³ã®Cisco IOSã,½ãfãf^ã,|ã,šã,çãšã,^ã³Cisco IOS  
XEã,½ãfãf^ã,|ã,šã,çã,á®ÿè;CEã—ã|ã,,ã,ãfãfãã,ãã,¹ã¯ã€æ-;ã®ã,,ãšã,CEãã

- IPã,ãf¼ãf“ã,¹ãfãf™ãf«ãÿ‘ç’,,(SLA)ã¿œç”ã
- Session Initiation Protocoli¼^SIPi¼%
- H.323 Annex Eã,³ãf¼ãf«ã,ã,°ãfšãf³ãã,°è»çé€
- Media Gateway Control Protocoli¼^MGCPi¼%

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versionã€ã,³ãfãf³ãf%ãã,ç™°è;CEã—ã€ã,ã,¹ãfãfãããfãfšãf¼ã,è;ç°ã—ã¾ã™ã€,“Inter  
Operating System Software”ã€“Cisco IOS Software”  
ã,ã,ãã,,ã¯ã”ã,CEã,%ã«é;žã¼¼ã™ã,ã,ã,¹ãfãf  
ãfãfšãf¼ã«ã,^ã£ã|ãfãfãã,ãã,¹ãš Cisco IOS  
ã,½ãfãf^ã,|ã,šã,çãCEç”¼ãfãã—ã|ã,,ã,ãã“ã”ã,çç°èªããšãã¾ã™ã€,  
ããã®ã¾CEã,ããã,ããfãf¼ã,ãããCEæ¬¼ãšã®é—ã«è;ç°ãã,CEã€ç¶šã,,ã|  
"Version"ã” Cisco IOSã,½ãfãf^ã,|ã,ã,ç  
ãfãfãf¼ã,¹ãããCEè;ç°ãã,ã,CEã¾ã™ã€,ã—ã®Ciscoãfãfãã,ãã,¹ãã¯ã€CEshow  
versionã€ã,³ãfãf³ãf%ããCEãã,,ãã€çç°ãã,ãã,ãããšãCEè;ç°ãã,ã,ãããã^ãCEã

Router#show version  
Cisco IOS Software (C2500-IS-L), Version 12.3(26), RELEASE SOFTWARE (fc2)  
Technical Support: http://www.cisco.com/techsupport  
Copyright (c) 1986-2008 by Cisco Systems, Inc.  
Compiled Mon 17-Mar-08 14:39 by dchih

<output truncated>

Router#show version  
Cisco IOS Software, 1841 Software (C1841-ADVENTERPRISEK9-M), Version 12.4(20)T, RELEASE SOFTWARE (fc3)  
Technical Support: http://www.cisco.com/techsupport  
Copyright (c) 1986-2008 by Cisco Systems, Inc.  
Compiled Thu 10-Jul-08 20:25 by prod\_rel\_team

Router#show version  
Cisco IOS Software, 1841 Software (C1841-ADVENTERPRISEK9-M), Version 12.4(20)T, RELEASE SOFTWARE (fc3)  
Technical Support: http://www.cisco.com/techsupport  
Copyright (c) 1986-2008 by Cisco Systems, Inc.  
Compiled Thu 10-Jul-08 20:25 by prod\_rel\_team

<output truncated>

Cisco

IOS Software, 1841 Software (C1841-ADVENTERPRISEK9-M), Version 12.4(20)T, RELEASE SOFTWARE (fc3)  
Technical Support: <http://www.cisco.com/techsupport>  
Copyright (c) 1986-2008 by Cisco Systems, Inc.  
Compiled Thu 10-Jul-08 20:25 by prod\_rel\_team

IOS Software, 1841 Software (C1841-ADVENTERPRISEK9-M), Version 12.4(20)T, RELEASE SOFTWARE (fc3)

IOS Software, 1841 Software (C1841-ADVENTERPRISEK9-M), Version 12.4(20)T, RELEASE SOFTWARE (fc3)

- Cisco IOS XR Software, 1841 Software (C1841-ADVENTERPRISEK9-M), Version 12.4(20)T, RELEASE SOFTWARE (fc3)
- Cisco IOS Software, 1841 Software (C1841-ADVENTERPRISEK9-M), Version 12.4(20)T, RELEASE SOFTWARE (fc3)
- Response Time Reporter (RTR)
- Cisco 500 Series Express
- Cisco Aironet 1250 Series
- Cisco Aironet 1240 AG Series
- Cisco Aironet 1230 AG Series



Last input 00:00:41, output 00:00:07, output hang never  
Last clearing of "show interface" counters 00:07:18  
Input queue: 76/75/1091/0 (size/max/drops/flushes); Total output drops: 0

## IP SLA (Service Level Agreement) Configuration

### User Datagram

Protocol: UDP

### IOS IP Service Level

Agreement: SLA  
SLA

```
ip sla responder
```

```
ip sla monitor responder
```

```
ip sla responder
```

```
ip sla responder udp-echo ipaddress 10.10.10.10 port 1025
```

### Service Assurance

```
ip sla responder
```

### Agent

Reporter (RTR)

CLI

```
rtr responder
```

```
SLA
```

<#root>

```

Router#show udp
Proto Remote Port Local Port In Out Stat TTY OutputIF
17 0.0.0.0 0 10.2.6.1

1967

0 0 211 0

```

Cisco IOS IP SLAs Configuration Guide, Release 12.4 - Cisco IOS IP SLAs Configuration Guide, Release 12.4 - Cisco IOS IP SLAs Overview, [http://www.cisco.com/en/US/docs/ios/12\\_4/ip\\_sla/co](http://www.cisco.com/en/US/docs/ios/12_4/ip_sla/co)

## Session Initiation Protocol (SIP)

Security Advisory: Cisco IOS Session Initiation Protocol Denial of Service Vulnerability, <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20090325-sip>

SIP peer voice ios ip socket udp dial-peer voice <Voice dial-peer tag> voip !

```

dial-peer voice <Voice dial-peer tag> voip
!

```

Security Advisory: SIP Packets Reload IOS Devices with support for SIP, <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20070131-sip>

UDP 5060 SIP

<#root>

Router#show ip socket

Proto	Remote	Port	Local	Port	In	Out	Stat	TTY	Output	IF
17	0.0.0.0	0	192.168.0.2							

5060

0 0 211 0

SIP Configuration

Guide, <http://www.cisco.com/univered/cc/td/doc/product/software>

### H.323 Annex E

H.323 Annex E Call Signaling Transport over UDP

Annex E Call Signaling Transport over UDP

IOS

UDP

voice

UDP

Express

ip socket

udp

dial-peer voice <Voice dial-peer tag> voip

!

Cisco

IOS

IOS

Bug ID [CSCsb25337](#)

æ-ja

<#root>

Router#show ip socket

```

Proto      Remote      Port        Local        Port  In Out Stat TTY OutputIF
17 0.0.0.0          0 192.168.0.2
2517
0 0 211 0

```

H.323 @ Cisco IOS H.323 Configuration

Guide, [http://www.cisco.com/en/US/docs/ios/12\\_3/vvf\\_c/cisco](http://www.cisco.com/en/US/docs/ios/12_3/vvf_c/cisco)

## Media Gateway Control Protocol (MGCP)

MGCP 2427 S @ 192.168.0.1

mgcp

@ 2427 S @ 192.168.0.1

<#root>

Router#show ip socket

```

Proto      Remote      Port        Local        Port  In Out Stat TTY OutputIF
17 192.168.0.1    2427 10.66.91.138
2427
0 0 211 0

```

MGCP @ Configuring the Cisco IOS MGCP Gateway

reference, <http://www.cisco.com/en/US/products/sw/voicesw/p>

@ Cisco Bug ID [CSCsk64158](#)

(Common Vulnerabilities and Exposures (CVE) ID CVE-2009-

0631 @

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ã½±éÿ;ã,'ã—ã'ã,ãfã,¹ãfãf³ã,°ãfãf¼ãf^ã®ç,,jãš¹ãCE-

ã½±éÿ;ã,'ã—ã'ã,ã€ÿèf½ãCEä,è|ãªã'ã^ã~ã€æ~žç°çš,,ã«ç,,jãš¹ã«ã™ã,ã"ã"  
udpã¾ãÿã~ show ip  
socketã,'ã...¥ãšã—ã|ã€ãfã,¹ãfãf³ã,°UDPãfãf¼ãf^ãCEé-%ã~ã|ã,,ã,ã"ã"ã,çç°è"

SIPãšã~ã€TCPã,µãf¼ãf"ã,¹ã®ãçãCEãç...è|ãªã'ã^ã«UDPãfã,¹ãfãf³ã,°ã,ç,,jãš¹ã  
æ³'¼šã"ã®ãžéçç-ã~ã€Cisco Bug ID CSCsi34903ãCEçµ±ã^ã·ã,CEãÿCisco  
IOSã,½ãf·ãf^ã,|ã,šã,çã,µãfjãf¼ã,ã«ã®ãççéçç"ã·ã,CEã¾ã™ã€,

èã'Si¼šMGCPã,¾ãf¼ãf«ã¾ãÿã~H.323ã,¾ãf¼ãf«ã,'ãç|ççtã—ã|ã,,ã,ãfãfã,µã,¹ã«ã"  
Enter configuration commands, one per line.CNTL/Zãçµ,ã°tã—ã¾ã™ã€,

```
Router(config)#sip-ua  
Router(config-sip-ua)#no transport udp  
Router(config-sip-ua)#end
```

SIPãšã~ã€æ¬jã®ç,¾ãfžãf³ãf%ã,'ã½çç"ã—ã|ã€ãf—ãfçã,µãf™ãf¼ãf^ã,çãf%ãf-ã,¹ã

```
voice service voip  
sip  
bind control source-interface <int>  
bind media source-interface <int>
```

ã,µãf³ãf·ãfçã,¹ãf^ãfçã,ãfãf£ã,çã,ã,»ã,¹ã,¾ãf³ãf^ãfãf¼ãf«ãfã,¹ãf^  
èã'Si¼šã"~è,,t¼±æ€Sã®æ©ÿèf½ã~ãf^ãfçãf³ã,¹ãfãf¼ãf^ã"ã—ã|UDPã,'ã½çç"ã

RPFã,'ã½çç"ã™ã,ã"ã"ã,,ãšãšã,ã—ã¾ã™ã€,  
ãfãfãfãf^ãfãf¼ã,ã,é€šéžã™ã,ãf^ãfçãã,£ãffã,ã,é®æ-ã™ã,ã"ã"ã~ã—ã°ã  
ãfãfãfã,µã,¹ã,ã,çãf¼ã,²ãffãf^ã"ã—ãÿè"±ã~ã™ã¹ãããšã~ãªã,,ãf^ãfçãã,£ãff

```
iACLã®ã¾ã~ã€Infrastructure access-list  
ã®ã,€éf"ã"ã—ã|è"ã®šã·ã,CEã,ã¹ãããšã,ã,šã€ã,µãf³ãf·ãfçã,¹ãf^ãfçã,ãfãfãf  
IPã,çãf%ãf-ã,¹ã®ç"ã²ã«ã«¾ã,CEã,çIP  
ã,çãf%ãf-ã,¹ã,æCEãµã...ã|ã®æ©ÿã™ã,'ãé²ã¾ã—ã¾ã™ã:
```

*!--- Only sections pertaining to features enabled on the device  
!--- need be configured.  
!---  
!---  
!--- Feature: IP SLAs UDP Responder  
!---*

```
access-list 150 permit udp TRUSTED_SOURCE_ADDRESSES WILDCARD  
    INFRASTRUCTURE_ADDRESSES WILDCARD eq 1967
```

*!--- Deny IP SLAs UDP Responder traffic from all other sources  
!--- destined to infrastructure addresses.*

```
access-list 150 deny udp any  
    INFRASTRUCTURE_ADDRESSES WILDCARD eq 1967
```

*!---  
!--- Feature: Session Initiation Protocol (SIP)  
!---*

```
access-list 150 permit udp TRUSTED_SOURCE_ADDRESSES WILDCARD  
    INFRASTRUCTURE_ADDRESSES WILDCARD eq 5060
```

*!--- Deny SIP traffic from all other sources destined  
!--- to infrastructure addresses.*

```
access-list 150 deny udp any  
    INFRASTRUCTURE_ADDRESSES WILDCARD eq 5060
```

*!---  
!--- Feature: H.323 Call Signaling  
!---*

```
access-list 150 permit udp TRUSTED_SOURCE_ADDRESSES WILDCARD  
    INFRASTRUCTURE_ADDRESSES WILDCARD eq 2517
```

*!--- Deny H.323 Call Signaling traffic from all other sources  
!--- destined to infrastructure addresses.*

```
access-list 150 deny udp any  
    INFRASTRUCTURE_ADDRESSES WILDCARD eq 2517
```

*!---  
!--- Feature: Media Gateway Control Protocol (MGCP)  
!---*

```
access-list 150 permit udp TRUSTED_SOURCE_ADDRESSES WILDCARD
INFRASTRUCTURE_ADDRESSES WILDCARD eq 2427
```

```
!--- Deny MGCP traffic from all other sources destined
!--- to infrastructure addresses.
```

```
access-list 150 deny udp any
INFRASTRUCTURE_ADDRESSES WILDCARD eq 2427
```

```
!--- Permit/deny all other Layer 3 and Layer 4 traffic in
!--- accordance with existing security policies and
!--- configurations. Permit all other traffic to transit the
!--- device.
```

```
access-list 150 permit ip any any
```

```
!--- Apply access-list to all interfaces (only one example
!--- shown)
```

```
interface serial 2/0
ip access-group 150 in
```

### Protecting Your Core: Infrastructure Protection Access Control

Lists

3af^afaf/4af« af—af-af/4af<sup>3</sup> af<sup>3</sup>af,af<sup>3</sup>af,°

èâ'Si/4š"â@è,,tâ/4±æ€š@æ©ÿèf/2â-af^af@af<sup>3</sup>af,1afaf/4af^af"â-â|UDPâ,'â/2ç""â

af,3af^af^afaf/4af«af—af-af/4af<sup>3</sup>af<sup>3</sup>af,af<sup>3</sup>af,°(CoPP)â,'â/2ç""â-â|â€af†afâ,af,1â,â@â;

IOS af,1/2af•af^â,|â,šâ,ç af<sup>a</sup>af<sup>a</sup>af/4af,1

12.0Sâ€12.2SXâ€12.2Sâ€12.3Tâ€12.4â€âšâ,^â<sup>3</sup> 12.4T â-â€CoPP

æ©ÿèf/2â,'â,µafaf/4af^af-â|â,,â<sup>3</sup>â™â€ç@çç†âšâ,^â<sup>3</sup>af,3af^af^afaf/4af«af—af-af/4af

CoPP

â,'æ©ÿâ™"â«è"â@šâ-â€æ-çâ~â@â,»â,af¥af<sup>a</sup>af†â,£af/4afaf<sup>a</sup>af,af/4af"â,3af^af•af,£â,@af

CoPP â@â<sup>3</sup>â-â,µaf<sup>3</sup>af•af@â,1af^af@â,-afaf£ IP â,çaf%af-â,1â@ç"â>â†...â«â,â,<

IP

â,çaf%af-â,1â,'æ€ââ...â|â@æ©ÿâ™"â,'â;è-â™â,<âÿâ,â«â@šç<sup>3</sup>@â•â,Çâ,<

CoPP â@â,€f"â-â-â-â|â«â<sup>3</sup>â,Çâ,<â<sup>1</sup>âé...ç@âšâ™:

!---  
!--- Only sections pertaining to features enabled on the device  
!--- need be configured.  
!---

!---  
!--- Feature: IP SLAs UDP Responder  
!---

```
access-list 150 deny udp TRUSTED_SOURCE_ADDRESSES WILDCARD  
any eq 1967
```

!---  
!--- Deny IP SLAs UDP Responder traffic from all other sources  
!--- destined to the device control plane.  
!---

```
access-list 150 permit udp any any eq 1967
```

!---  
!--- Feature: Session Initiation Protocol (SIP)  
!---

```
access-list 150 deny udp TRUSTED_SOURCE_ADDRESSES WILDCARD  
any eq 5060
```

!---  
!--- Deny SIP traffic from all other sources destined  
!--- to the device control plane.  
!---

```
access-list 150 permit udp any any eq 5060
```

!---  
!--- Feature: H.323 Call Signaling  
!---

```
access-list 150 deny udp TRUSTED_SOURCE_ADDRESSES WILDCARD  
any eq 2517
```

!---  
!--- Deny H.323 call signaling traffic from all other sources  
!--- destined to the device control plane.  
!---

```
access-list 150 permit udp any any eq 2517
```





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Technical Assistance

Centeri¼^TACi¼%ã¼ăãŸã-ãŸç'„ã,'çµã,,ãšãã,,ã,ãfjãf³aftãfšãfã,¹  
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Cisco IOS ã,½ăf•ăf^ã,lã,šã,çã®èj "i¼^ã,æž²i¼%ã®ã,,è;Œã«ã-ã€Cisco IOS  
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ăf^ăf-ã,ãăf³ã«è,†ã¼±æŒšãŒã,ã,ã'ã^ã-ã€ãž®æŒã,'ã«ã,æœæã^ã®ăfããfãf¼ã,¹i¼%

1  
ãž®æŒæ,^ãžãfããfãf¼ã,¹ã€ã^—ã«è "è¼%ã•ã,Œã¼ăã™ã€,ã€Œæž "ãŸ "ăfããfãf¼ã,¹ã€ã^  
1  
ãž®æŒæ,^ãžãfããfãf¼ã,¹ã,^ã,šã®ã,,i¼%ãf^ăf-ã,ãăf³ã«ã«ã¼ă,Œã,ãfããfãf¼ã,¹ãŒç "¼ã

<b>ăfjã,ăfããf¼ã ăfããfãf¼ã,¹</b>	
<b>Affected 12.0-Based Releases</b>	<b>First Fixed Releasei¼^ãž®æŒã•ã,ŒãŸæœæã^ã®ăfããfãf¼ã,¹i¼%</b>
12.0	è,,†ã¼±æŒšãã,š(æœæã^ã®ăž®æŒã- <a href="#">12.4</a> )
12.0DA	è,,†ã¼±æŒšãã,šã€æœæã^ã®ăž®æŒã- <a href="#">12.2DA</a>
12.0DB	è,,†ã¼±æŒšãã,š(æœæã^ã®ăž®æŒã- <a href="#">12.4</a> )

12.0DC	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã <a href="#">12.4</a> )
12.0S	12.0(32)S12 12.0(33)S3r¼^2009â¼4æœ^30æ—¥ã«â...¥æ%o<â`èf½i¼%o
12.0SC	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã <a href="#">12.0S</a> )
12.0SL	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã <a href="#">12.0S</a> )
12.0SP	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã <a href="#">12.4</a> )
12.0ST	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã <a href="#">12.0S</a> )
12.0SX	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã <a href="#">12.0S</a> )
12.0SY	12.0(32)SY8
12.0SZ	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã <a href="#">12.0S</a> )
12.0T	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æƒã <a href="#">12.4</a> )
12.0W	è,,†â¼±æ€§ã,ã,Šã€TACã«ãŠã•ã„ã^ã,ã>ããããã•ã„
12.0WC	è,,†â¼±æ€§ã,ã,Šã€TACã«ãŠã•ã„ã^ã,ã>ããããã•ã„
12.0WT	è,,†â¼±æ€§ãã—



12.0XA	è,,†â¼±æ€§ã,ã,Š(æœ€â^ãä@äç@æfã 12.4)
12.0XB	è,,†â¼±æ€§ã,ã,Š(æœ€â^ãä@äç@æfã 12.4)
12.0XC	è,,†â¼±æ€§ã,ã,Š(æœ€â^ãä@äç@æfã 12.4)
12.0XD	è,,†â¼±æ€§ã,ã,Š(æœ€â^ãä@äç@æfã 12.4)
12.0XE	è,,†â¼±æ€§ã,ã,Š(æœ€â^ãä@äç@æfã 12.4)
12.0XF	è,,†â¼±æ€§ãã—
12.0XG	è,,†â¼±æ€§ã,ã,Š(æœ€â^ãä@äç@æfã 12.4)
12.0XH	è,,†â¼±æ€§ã,ã,Š(æœ€â^ãä@äç@æfã 12.4)
12.0XI	12.0(4)XI2ã,ã,Šã%ãä@ãfãfãf¼ã,1ã«ã-è,,†â¼±æ€§ããÇã,ã,Šã€ 12.0(4)XI2ã
12.0XJ	è,,†â¼±æ€§ã,ã,Š(æœ€â^ãä@äç@æfã 12.4)

12.0XK	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.0XL	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.0XM	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.0XN	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.0XQ	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.0XR	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.0XS	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.0XT	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
12.0XV	è,,†å¼±æ€§šã,ã,Š(æœƒå^ã®ä¿®æƒã 12.4)
<b>Affected</b>	<b>First Fixed Releasei¼^ä¿®æƒã•ã,Œãÿæœƒå^ã®ãƒªãƒªãƒ¼ã,1¼‰</b>

12.1-Based Releases	
12.1	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æĒã <a href="#">12.4</a> )
12.1AA	è,,†â¼±æ€§ã,ã,Šã€TACã«ãŠã•ã„ã^ã,ã>ãããããããã„
12.1AX	è,,†â¼±æ€§ã,ã,Šã€æœ€â^ã®ä¿®æĒã <a href="#">12.2SE</a>
12.1AY	è,,†â¼±æ€§ã,ã,Šã€æœ€â^ã®ä¿®æĒã <a href="#">12.1EA</a>
12.1AZ	è,,†â¼±æ€§ã,ã,Šã€æœ€â^ã®ä¿®æĒã <a href="#">12.1EA</a>
12.1CX	è,,†â¼±æ€§ã,ã,Šã€TACã«ãŠã•ã„ã^ã,ã>ãããããããã„
12.1DA	è,,†â¼±æ€§ã,ã,Šã€TACã«ãŠã•ã„ã^ã,ã>ãããããããã„
12.1DB	è,,†â¼±æ€§ã,ã,Šã€TACã«ãŠã•ã„ã^ã,ã>ãããããããã„
12.1DC	è,,†â¼±æ€§ã,ã,Šã€TACã«ãŠã•ã„ã^ã,ã>ãããããããã„
12.1E	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æĒã <a href="#">12.2SXF</a> )
12.1EA	12.1(22)EA13
12.1EB	è,,†â¼±æ€§ã,ã,Šã€TACã«ãŠã•ã„ã^ã,ã>ãããããããã„

12.1EC	è,,†â¼±æ€§ã,ã,Šã€æœƒâ^ã®ä¿®æfã <a href="#">12.3BC</a>
12.1EO	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã„ã^ã,ã>ããããã•ã„
12.1EU	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.2SG</a> )
12.1EV	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã„ã^ã,ã>ããããããã•ã„
12.1EW	è,,†â¼±æ€§ã,ã,Šã€12.2SGAã«çš»èjƒ
12.1EX	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4</a> )
12.1EY	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã„ã^ã,ã>ããããããã•ã„
12.1EZ	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.2SXF</a> )
12.1GA	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4</a> )
12.1GB	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4</a> )
12.1T	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4</a> )
12.1XA	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4</a> )

12.1XB	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1XC	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1XD	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1XE	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1XF	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1XG	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1XH	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1XI	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1XJ	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)

12.1XL	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ãäžæfã <a href="#">12.4</a> )
12.1XM	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ãäžæfã <a href="#">12.4</a> )
12.1XP	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ãäžæfã <a href="#">12.4</a> )
12.1XQ	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ãäžæfã <a href="#">12.4</a> )
12.1XR	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ãäžæfã <a href="#">12.4</a> )
12.1XS	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ãäžæfã <a href="#">12.4</a> )
12.1XT	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ãäžæfã <a href="#">12.4</a> )
12.1XU	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ãäžæfã <a href="#">12.4</a> )
12.1XV	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ãäžæfã <a href="#">12.4</a> )
12.1XW	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ãäžæfã <a href="#">12.4</a> )

12.1XX	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1XY	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1XZ	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1YA	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1YB	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1YC	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1YD	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)
12.1YE	12.1(5)YE6ã, ^ã,Šã%ã®ãfãfãf¼ã,¹ã«ã-è,,†â¼±æ€§ãœã,ã,Šã€12.1(5)YE6ã
12.1YF	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã 12.4)

12.1YH	è,,†à¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4</a> )
12.1YI	è,,†à¼±æ€§ã,ã,Šã€TACã«ãŠã•ã„ã^ã,ãã>ãããããã„
12.1YJ	è,,†à¼±æ€§ã,ã,Šã€æœ€â^ã®ä¿®æfã <a href="#">12.1EA</a>
<b>Affected 12.2-Based Releases</b>	<b>First Fixed Release</b> ¼^ä¿®æfã•ã,Œãÿæœ€â^ã®ä¿®æfã¼ã,¼ã%o
12.2	è,,†à¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4</a> )
12.2B	è,,†à¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4T</a> )
12.2BC	è,,†à¼±æ€§¼š12.2SCBã¾ãÿã 12.3BCã«çš»è¿Œ
12.2BW	è,,†à¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4</a> )
12.2BX	è,,†à¼±æ€§ã,ã,Šã€12.2SBã«çš»è¿Œ
12.2BY	è,,†à¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4</a> )



12.2BZ	è,,†å¼±æ€§šã,ã,Š(æœ€å^ã®ä¿®æfã <a href="#">12.4</a> )
12.2CX	è,,†å¼±æ€§š¼š12.2SCBã¾ãÿã 12.3BCã«çš»èjÆ
12.2CY	è,,†å¼±æ€§š¼š12.2SCBã¾ãÿã 12.3BCã«çš»èjÆ
12.2CZ	è,,†å¼±æ€§šã,ã,Šã€æœ€å^ã®ä¿®æfã <a href="#">12.2SB</a>
12.2DA	12.2(12)DA14i¼^2009å¹7æœ^30æ—ÿã«å...ÿæ%o<ã èf½i¼%o
12.2DD	è,,†å¼±æ€§šã,ã,Š(æœ€å^ã®ä¿®æfã <a href="#">12.4</a> )
12.2DX	è,,†å¼±æ€§šã,ã,Š(æœ€å^ã®ä¿®æfã <a href="#">12.4</a> )
12.2EW	è,,†å¼±æ€§šã,ã,Š(æœ€å^ã®ä¿®æfã <a href="#">12.2SG</a> )
12.2EWA	è,,†å¼±æ€§šã,ã,Š(æœ€å^ã®ä¿®æfã <a href="#">12.2SG</a> )
12.2EX	è,,†å¼±æ€§šã,ã,Šã€æœ€å^ã®ä¿®æfã <a href="#">12.2SE</a>
12.2EY	12.2(44)EY

12.2EZ	è,,†å¼±æ€§šã,ã,Šã€æœ€å^ã®ä¿®æfã <a href="#">12.2SE</a>
12.2FX	è,,†å¼±æ€§šã,ã,Šã€æœ€å^ã®ä¿®æfã <a href="#">12.2SE</a>
12.2FY	è,,†å¼±æ€§šã,ã,Šã€æœ€å^ã®ä¿®æfã <a href="#">12.2SE</a>
12.2FZ	è,,†å¼±æ€§šã,ã,Šã€æœ€å^ã®ä¿®æfã <a href="#">12.2SE</a>
12.2IRA	è,,†å¼±æ€§šã,ã,Š(æœ€å^ã®ä¿®æfã <a href="#">12.2SRC</a>
12.2IRB	è,,†å¼±æ€§šã,ã,Š(æœ€å^ã®ä¿®æfã <a href="#">12.2SRC</a>
12.2IXA	è,,†å¼±æ€§šã,ã,Šã€,12.2IXHã®ä»»æ,,ã®ãªãªãª¼ã,¹ã«ç§»è;€
12.2IXB	è,,†å¼±æ€§šã,ã,Šã€,12.2IXHã®ä»»æ,,ã®ãªãªãª¼ã,¹ã«ç§»è;€
12.2IXC	è,,†å¼±æ€§šã,ã,Šã€,12.2IXHã®ä»»æ,,ã®ãªãªãª¼ã,¹ã«ç§»è;€
12.2IXD	è,,†å¼±æ€§šã,ã,Šã€,12.2IXHã®ä»»æ,,ã®ãªãªãª¼ã,¹ã«ç§»è;€
12.2IXE	è,,†å¼±æ€§šã,ã,Šã€,12.2IXHã®ä»»æ,,ã®ãªãªãª¼ã,¹ã«ç§»è;€
12.2IXF	è,,†å¼±æ€§šã,ã,Šã€,12.2IXHã®ä»»æ,,ã®ãªãªãª¼ã,¹ã«ç§»è;€
12.2IXG	è,,†å¼±æ€§šã,ã,Šã€,12.2IXHã®ä»»æ,,ã®ãªãªãª¼ã,¹ã«ç§»è;€
12.2JA	è,,†å¼±æ€§šãª—
12.2JK	è,,†å¼±æ€§šãª—

12.2MB	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã®ä¿®æ£ã 12.4)
12.2MC	12.2(15)MC2m
12.2S	è,,†å¼±æ€§ã,ã,Šã€æœ€å^ã®ä¿®æ£ã 12.2SB
12.2SB	12.2(31)SB14 12.2(33)SB3 12.2(28)SB13
12.2SBC	è,,†å¼±æ€§ã,ã,Šã€æœ€å^ã®ä¿®æ£ã 12.2SB
12.2SCA	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã®ä¿®æ£ã 12.2SCB)
12.2SCB	12.2(33)SCB1
12.2SE	12.2(46)SE2 12.2(44)SE5 12.2(50)SE
12.2SEA	è,,†å¼±æ€§ã,ã,Šã€æœ€å^ã®ä¿®æ£ã 12.2SE
12.2SEB	è,,†å¼±æ€§ã,ã,Šã€æœ€å^ã®ä¿®æ£ã 12.2SE
12.2SEC	è,,†å¼±æ€§ã,ã,Šã€æœ€å^ã®ä¿®æ£ã 12.2SE

12.2SED	è,,†å¼±æ€ššã,ã,Šã€æœ€å^ã®ä¿®æ£ã 12.2SE
12.2SEE	è,,†å¼±æ€ššã,ã,Šã€æœ€å^ã®ä¿®æ£ã 12.2SE
12.2SEF	è,,†å¼±æ€ššã,ã,Šã€æœ€å^ã®ä¿®æ£ã 12.2SE
12.2SEG	è,,†å¼±æ€ššã,ã,Šã€æœ€å^ã®ä¿®æ£ã 12.2SE
12.2SG	12.2(50)SG
12.2SGA	12.2(31)SGA9
12.2SL	è,,†å¼±æ€ššãªã—
12.2SM	è,,†å¼±æ€ššã,ã,Šã€,TACã«ãŠã•ã„ã^ã,ã>ããããã„
12.2SO	è,,†å¼±æ€ššã,ã,Šã€,TACã«ãŠã•ã„ã^ã,ã>ããããã„
12.2SQ	12.2(44)SQ1
12.2SRA	è,,†å¼±æ€ššã,ã,Š(æœ€å^ã®ä¿®æ£ã 12.2SRC
12.2SRB	è,,†å¼±æ€ššã,ã,Š(æœ€å^ã®ä¿®æ£ã 12.2SRC
12.2SRC	12.2(33)SRC3
12.2SRD	è,,†å¼±æ€ššãªã—

12.2STE	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããã•ã,,
12.2SU	è,,†à¼±æ€§ã,ã,Š(æœƒã^ã®ä¿®æƒã <a href="#">12.4T</a> )
12.2SV	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããã•ã,,
12.2SVA	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããã•ã,,
12.2SVC	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããã•ã,,
12.2SVD	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããã•ã,,
12.2SVE	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããã•ã,,
12.2SW	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããã•ã,,
12.2SX	è,,†à¼±æ€§ã,ã,Š(æœƒã^ã®ä¿®æƒã <a href="#">12.2SXF</a> )
12.2SXA	è,,†à¼±æ€§ã,ã,Š(æœƒã^ã®ä¿®æƒã <a href="#">12.2SXF</a> )
12.2SXB	è,,†à¼±æ€§ã,ã,Š(æœƒã^ã®ä¿®æƒã <a href="#">12.2SXF</a> )
12.2SXD	è,,†à¼±æ€§ã,ã,Š(æœƒã^ã®ä¿®æƒã <a href="#">12.2SXF</a> )
12.2SXE	è,,†à¼±æ€§ã,ã,Š(æœƒã^ã®ä¿®æƒã <a href="#">12.2SXF</a> )
12.2SXF	12.2(18)SXF16

12.2SXH	12.2(33)SXH5i¼^2009å1^4æœ^20æ—¥ã«å...¥æ%oo&agrave;-èf½i¼%o
12.2SXI	è,,†å¼±æ€§šãªã—
12.2SY	è,,†å¼±æ€§šãª,ã,Šã€æœœå^ã®ä¿®æfã~ <a href="#">12.2SB</a>
12.2SZ	è,,†å¼±æ€§šãª,ã,Šã€æœœå^ã®ä¿®æfã~ <a href="#">12.2SB</a>
12.2T	è,,†å¼±æ€§šãª,ã,Š(æœœå^ã®ä¿®æfã~ <a href="#">12.4</a> )
12.2TPC	è,,†å¼±æ€§šãª,ã,Šã€,TACã«ãŠã•ã,,å^ã,ã>ãããããããã,,
12.2XA	è,,†å¼±æ€§šãª,ã,Š(æœœå^ã®ä¿®æfã~ <a href="#">12.4</a> )
12.2XB	è,,†å¼±æ€§šãª,ã,Š(æœœå^ã®ä¿®æfã~ <a href="#">12.4</a> )
12.2XC	è,,†å¼±æ€§šãª,ã,Š(æœœå^ã®ä¿®æfã~ <a href="#">12.4</a> )
12.2XD	è,,†å¼±æ€§šãª,ã,Š(æœœå^ã®ä¿®æfã~ <a href="#">12.4</a> )
12.2XE	è,,†å¼±æ€§šãª,ã,Š(æœœå^ã®ä¿®æfã~ <a href="#">12.4</a> )

12.2XF	è,,†å¼±æ€§†¼š12.2SCBã¼ãÿä¯12.3BCã«çš»è;€
12.2XG	è,,†å¼±æ€§ã,ã,š(æœ€å^ã®ä¿®æfã¯12.4)
12.2XH	è,,†å¼±æ€§ã,ã,š(æœ€å^ã®ä¿®æfã¯12.4)
12.2XI	è,,†å¼±æ€§ã,ã,š(æœ€å^ã®ä¿®æfã¯12.4)
12.2XJ	è,,†å¼±æ€§ã,ã,š(æœ€å^ã®ä¿®æfã¯12.4)
12.2XK	è,,†å¼±æ€§ã,ã,š(æœ€å^ã®ä¿®æfã¯12.4)
12.2XL	è,,†å¼±æ€§ã,ã,š(æœ€å^ã®ä¿®æfã¯12.4)
12.2XM	è,,†å¼±æ€§ã,ã,š(æœ€å^ã®ä¿®æfã¯12.4)
12.2XN	è,,†å¼±æ€§ã,ã,š(æœ€å^ã®ä¿®æfã¯12.2SRC
12.2XNA	è,,†å¼±æ€§ã,ã,šã€,12.2SRDã®ä»»æ,,ã®ãfãfãf¼ã,¹ã«çš»è;€

12.2XNB	12.2(33)XNB1
12.2XNC	è,,†à¼±æ€§ãªã—
12.2XO	12.2(46)XO
12.2XQ	è,,†à¼±æ€§ãª,ã,Š(æœ€â^ªª®ä¿®æfãª <a href="#">12.4</a> )
12.2XR	è,,†à¼±æ€§ãªªã—
12.2XS	è,,†à¼±æ€§ãª,ã,Š(æœ€â^ªª®ä¿®æfãªª <a href="#">12.4</a> )
12.2XT	è,,†à¼±æ€§ãª,ã,Š(æœ€â^ªª®ä¿®æfãªª <a href="#">12.4</a> )
12.2XU	è,,†à¼±æ€§ãª,ã,Š(æœ€â^ªª®ä¿®æfãªª <a href="#">12.4</a> )
12.2XV	è,,†à¼±æ€§ãª,ã,Š(æœ€â^ªª®ä¿®æfãªª <a href="#">12.4</a> )
12.2XW	è,,†à¼±æ€§ãª,ã,Š(æœ€â^ªª®ä¿®æfãªª <a href="#">12.4</a> )
12.2YA	è,,†à¼±æ€§ãª,ã,Š(æœ€â^ªª®ä¿®æfãªª <a href="#">12.4</a> )





12.2YQ	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããã•ã,,
12.2YR	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããã•ã,,
12.2YS	è,,†â¼±æ€§ãã—
12.2YT	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããã•ã,,
12.2YU	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããã•ã,,
12.2YV	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããã•ã,,
12.2YW	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããã•ã,,
12.2YX	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããããã•ã,,
12.2YY	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããããããã•ã,,
12.2YZ	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããããããããã•ã,,
12.2ZA	è,,†â¼±æ€§ã,ã,Š(æœĚă^ã®ăž®æĚã <a href="#">12.2SXF</a> )
12.2ZB	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããããããã•ã,,
12.2ZC	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ããããããããããããããã•ã,,
12.2ZD	è,,†â¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã,,ã^ã,ã>ãããããããããããããããããã•ã,,
12.2ZE	è,,†â¼±æ€§ã,ã,Š(æœĚă^ã®ăž®æĚã <a href="#">12.4</a> )





12.3TPC	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã„ã^ã,ã>ããããã•ã„
12.3VA	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã„ã^ã,ã>ããããããã•ã„
12.3XA	è,,†à¼±æ€§ã,ã,Š(æœ€ã^ã®ä¿®æŁã <sup>-</sup> <a href="#">12.4</a> )
12.3XB	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã„ã^ã,ã>ããããããããã•ã„
12.3XC	è,,†à¼±æ€§ã,ã,Š(æœ€ã^ã®ä¿®æŁã <sup>-</sup> <a href="#">12.4T</a> )
12.3XD	è,,†à¼±æ€§ã,ã,Š(æœ€ã^ã®ä¿®æŁã <sup>-</sup> <a href="#">12.4T</a> )
12.3XE	è,,†à¼±æ€§ã,ã,Š(æœ€ã^ã®ä¿®æŁã <sup>-</sup> <a href="#">12.4</a> )
12.3XF	è,,†à¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã„ã^ã,ã>ããããããããã•ã„
12.3XG	è,,†à¼±æ€§ã,ã,Š(æœ€ã^ã®ä¿®æŁã <sup>-</sup> <a href="#">12.4T</a> )
12.3XI	è,,†à¼±æ€§ã,ã,Šã€æœ€ã^ã®ä¿®æŁã <sup>-</sup> <a href="#">12.2SB</a>
12.3XJ	è,,†à¼±æ€§ã,ã,Š(æœ€ã^ã®ä¿®æŁã <sup>-</sup> <a href="#">12.3YX</a> )
12.3XK	è,,†à¼±æ€§ã,ã,Š(æœ€ã^ã®ä¿®æŁã <sup>-</sup> <a href="#">12.4T</a> )

12.3XL	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3XQ	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3XR	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4</a> )
12.3XS	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3XU	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3XW	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.3YX</a> )
12.3XX	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3XY	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3XZ	è,,†â¼±æ€§ã,ã,Š(æœƒâ^ã®ä¿®æfã <a href="#">12.4T</a> )

12.3YA	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3YD	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3YF	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.3YX</a> )
12.3YG	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3YH	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3YI	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3YJ	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3YK	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3YM	12.3(14)YM13
12.3YQ	è,,†â¼±æ€§ã,ã,Š(æœ€â^ã®ä¿®æfã <a href="#">12.4T</a> )

12.3YS	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3YT	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã®ä¿®æfã <a href="#">12.4T</a> )
12.3YU	è,,†å¼±æ€§ã,ã,Šã€æœ€å^ã®ä¿®æfã <a href="#">12.4XB</a>
12.3YX	12.3(14)YX14
12.3YZ	è,,†å¼±æ€§ã,ã,Šã€,TACã«ãŠã•ã„ã^ã,ã>ããããããã„
12.3ZA	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã®ä¿®æfã <a href="#">12.4T</a> )
<b>Affected 12.4-Based Releases</b>	<b>First Fixed Release</b> ¼^ä¿®æfã•ã,Œãÿæœ€å^ã®ãƒãƒãƒ¼ã,¼¼‰
12.4	12.4(23) 12.4(18e) 12.4(23a)¼^2009å¼6æœ€^5æ—Ÿã«ã...Ÿæ‰œã¼^èf¼¼‰
12.4JA	è,,†å¼±æ€§ããã—
12.4JDA	è,,†å¼±æ€§ããã—
12.4JK	è,,†å¼±æ€§ããã—









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Revision 1.5	2009å¹'6æœ^26æ—¥	2009å¹'3æœ^ã@äç@æfæ,^ã@çã,½ãf•ãf^ã, ã,šã,çãftãf¼ãf-ãf«ã@
ãf³ãf''ã,,ãfšãf³ 1.4	2009å¹'6æœ^1æ—¥	ãf³ãf³ãf¼ã,¹12.4(23a)ã@å...-é-<ã^å@šæ—¥ã,'æ>'æ-°ã€,
ãf³ãf''ã,,ãfšãf³ 1.3	2009å¹'5æœ^1æ—¥	ãf³ãf³ãf¼ã,¹12.4(23a)ã@å...-é-<ã^å@šæ—¥ã,'æ>'æ-°ã€,
ãf³ãf''ã,,ãfšãf³ 1.2	2009å¹'3æœ^30æ—¥	ç%¹ã@«ã€Wireless Products as not affectedi¼^ãf^ã,ããfãf-ã,1€
ãf³ãf''ã,,ãfšãf³ 1.1	2009å¹'3æœ^25æ—¥	è©²å¹½''ã@™ã,<ãf³ã,¹ãf<ãf³ã,°ãf@ãf¼ãf^ã,'ç,,jãš¹ã@«ã@™ã,<æ%œ<é
ãf³ãf''ã,,ãfšãf³ 1.0	2009å¹'3æœ^25æ—¥	å^@å>žå...-é-<ãf³ãf³ãf¼ã,¹

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æœ-ã,çãf%ãf@ã,ãã,¶ãfã@ç,,jãç@è''¼ã@ã,,ã@ã@ã''ã@-ã@|ã@æ@ä¾ã@-ã@|ã@šã,šã€  
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## 翻訳について

シスコは世界中のユーザにそれぞれの言語でサポート コンテンツを提供するために、機械と人による翻訳を組み合わせて、本ドキュメントを翻訳しています。ただし、最高度の機械翻訳であっても、専門家による翻訳のような正確性は確保されません。シスコは、これら翻訳の正確性について法的責任を負いません。原典である英語版（リンクからアクセス可能）もあわせて参照することを推奨します。