

Cisco

IOSã«ãŠã'ã,«è¤‡æ•°ã®DLSwã,µãf¼ãf”ã



ã,çãf‰ãf♦ã,¤ã,¶ãfãf¼ID : cisco-sa-
20080326-dlsw

[CVE-2008-1152](#)

å^♦å...¬é-æ-¥ : 2008-03-26 16:00

[CVE-2007-0199](#)

ãf♦ãf¼ã,ãffãf³ 1.5 : Final

CVSSã,¹ã,³ã,c : [7.8](#)

å›žé♦¿ç- : No Workarounds available

Cisco ãf♦ã,º ID : [CSCsf28840 CSCsk73104](#)

æ—¥æœ¬è¤žã♦«ã,^ã,«æf...å±ã♦¬ã€♦è¤±è¤žã♦«ã,^ã,«åŽYæ-‡ã♦®é♦žå...¬å¼ãf”ã

æ!,è!♦

Cisco

IOSã«ã♦¬ã€♦ãf‡ãf¼ã,¿ãfªãf³ã,¬ã,¹ã,¤ãffãf♦ãf³ã,º(DLSw)æ©Ÿèf½ã♦«è¤‡æ•°ã♦®è,,†å¼±æ€§ã♦
ã,ã,¹ã,³ã♦¬ã♦“ã,Œã,%oã♦®è,,†å¼±æ€§ã♦«å¬¾å†!ã♦™ã,«ã,½ãf•ãf^ã,!ã,§ã,çã,çaffãf—ãf‡ãf¼ãf^ã,’ã
ã♦“ã♦®ã,çãf‰ãf♦ã,¤ã,¶ãfãf♦¬ã€♦<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-dlsw>ã♦§å...¬é-ã♦•ã,Œã♦!ã♦„ã♦¾ã♦™ã€,

æ³”í¼š2008å¹’3æœ^26æ—¥ã♦®å...¬é-ã♦«ã♦¬ã€♦5ã♦¤ã♦®ã,»ã,ãf¥ãfºãftã,£ã,çãf‰ãf♦ã,¤ã,¶ãfªãf♦
Operating System(IOS)ã♦«å½±éŸ;ã,’ã,žã♦^ã♦¾ã♦™ã€,å♦„ã,çãf‰ãf♦ã,¤ã,¶ãfªãf♦«ã♦¬ã€♦ã♦“ã♦®ã,çãfº
å♦„ãf‰ã,ãf¥ãfºãf³ãf^ã♦,ã♦®ãfºãf³ã,¬ã♦¬æ-ã♦®ã♦“ã♦Šã,Šã♦§ã♦™ã€,

- Cisco

IOSãf♦ãf¼ãf♦ãf£ãf«ãf—ãf©ã,¤ãf™ãf¼ãf^ãf€ã,¤ãf¤ãf«ã,çaffãf—ãf♦affãf^ãf^ãf¼ã,¬ã♦®Do

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-pptp>

- Cisco IOSã«ãŠã'ã,«è¤‡æ•°ã®DLSwã,µãf¼ãf”ã,¹æ^å!ã♦®è,,†å¼±æ€§
<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-dlsw>
- IPv4/IPv6ãf‡ãf¥ã,çãf«ã,¹ã,çaffã,¬ãf«ãf¼ã,çã

«é-Çã»™ã, <Cisco

IOSã'ãf¼ã, ¶ãf‡ãf¼ã, ã, °ãf©ãf ãf—ãfãf^ã, ³ãf«(UDP)é...

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-IPv4IPv6>

- OSPFã€◆MPLS VPNã€◆Supervisor 32ã€◆Supervisor 720ã€◆ã◆¾ã◆Ýã◆Route Switch Processor 720ã,'ä½ç"“ã◆—ã◆ÝCisco IOSã◆®è,,†å½±æ€§
<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-queue>
- Cisco IOSã'äf«ãf◆ã, ãf£ã, ¹ãf^Virtual Private Network(MVPN)ã◆®ãf‡ãf¼ã, ã, <https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-mvpn>

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ã◆“ã◆®ã, »ã, ãf¥ãf^ãftã, ãf, Çãf‰oãf◆ã, þã, ¶ãf^ã◆—ã◆DLSwç”“ã◆«è “å®šã◆•ã, Cæã◆Ýè©²å½“Cis
IOSã, ½ãf•ãf^ã, |ã, ãf, Çã◆®ä»»æ,, ã◆®ãf◆ãf¼ã, , ãf§ãf³ã, 'å®Ýè; Cæã◆™ã, <ã◆™ã◆¹ã◆|ã◆®ã, ã,

DLSw◆Cæœ‰oåŠ¹ã◆ãf«ãf¼ã, ã, ã◆«ã◆—ã◆—ã◆¾ã◆™ã€, DLSwç”“ã◆«è “å®šã◆•ã, Cæã◆Ýã, ã, ¹ãf^ãf ã◆«ã◆—

configã, ³ãfžäf³ãf‰oã, 'ç™øè; Cæã◆—ã◆¾ã◆™ã€, DLSwç”“ã◆«è “å®šã◆•ã, Cæã◆Ýã, ã, ¹ãf^ãf ã◆«ã◆—

dlsw local-peer

ã◆¾ã◆Ýã◆—

dlsw local-peer peer-id <IP address>

æ¬|ã◆®ã€Cæ, ½ãf•ãf^ã, |ã, ãf, Çãf◆ãf¼ã, , ãf§ãf³ã◆—ã◆®æfã€◆ã, »ã, —ã, ·ãf§ãf³ã◆«è “~è½‰oã◆•ã, D
IOSã◆®ãf◆ãf¼ã, , ãf§ãf³ã◆«ã◆—ã◆—ã◆¾ã◆™ã€, Cæã◆Ýã, ã, ¹ã, , ¹ã, ³è£¹/₂å“◆ã◆Ñå®Ýè; Cæã◆|ã◆, ã, <Cisco

IOSã, ½ãf•ãf^ã, |ã, ãf, Çã◆®ãf◆ãf¼ã, , ãf§ãf³ã, 'ç°è^ã◆™ã, <ã◆—ã◆æf‡ãf◆ã, þã, ¹ã◆«ãfã, °ã, , versionã, ³ãfžäf³ãf‰oã, 'ç™øè; Cæã◆—ã◆|ã, , ¹ãf^ãf ãf, ãf§ãf¼ã, 'è; ç¤ºã◆—ã◆¾ã◆™ã€, Cisco

IOS 1/2-15.1(2)S5 Cisco Internetwork Operating System

Software 15.1(2)S5 Cisco Internetwork Operating System

Cisco 15.1(2)S5 show version

3.0(1) Cisco 15.1(2)S5 show version

æ-15.1(2)S5 Cisco

IOS 1/2-15.1(2)S5 Cisco Internetwork Operating System

IS-M 15.1(2)S5 Cisco Internetwork Operating System

Cisco Internetwork Operating System Software

IOS (tm) 3600 Software (C3640-IS-M), Version 12.3(6), RELEASE SOFTWARE (fc3)

æ-15.1(2)S5 Cisco

IOS 1/2-15.1(2)S5 Cisco Internetwork Operating System

Cisco IOS Software, 3800 Software (C3845-ADVIPSERVICESK9-M), Version 12.3(11)T3, RELEASE SOFTWARE (fc3)

Technical Support: <http://www.cisco.com/techsupport>

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IOS 1/2-15.1(2)S5 Cisco Internetwork Operating System

DLSw 1/2-15.1(2)S5 Cisco Internetwork Operating System

IOS 1/2-15.1(2)S5 Cisco Internetwork Operating System

DLSw 1/2-15.1(2)S5 Cisco Internetwork Operating System

IOS 1/2-15.1(2)S5 Cisco Internetwork Operating System

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1/2-15.1(2)S5 Cisco Internetwork Operating System

Architecture(SNA) 1/2-15.1(2)S5 Network Basic Input/Output

System(NetBIOS) 1/2-15.1(2)S5 Network Basic Input/Output

Sequenced

Transport(FST) 1/2-15.1(2)S5 Network Basic Input/Output

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IOSã»«ã»—ã€UDPã»Šã,^ã»³IPãf—ãfãf^ã,³ãf«91ã»®ãf'ã,±ãffãf^ã,'å‡'ç‡†ã»™ã,<éš>ã»«ã€?è¤

dlsw local-peerã,’ä½ç”“ã»—ã»|DLSwã»«è”å®šã»•ã,CÈã»ÝCisco

IOSãftãfã»ã,¤ã,¹ã»—ã€IPãf—ãfãf^ã,³ãf«91ãf'ã,±ãffãf^ã,'è‡å \llcorner ç„ã»«ãfãffã,¹ãf³ã»—ã»³/4ã»™ã»local-peer peer-id <IP-

address>ã,³ãfžãf³ãf‰oã,’ä½ç”“ã»—ã»|DLSwç”“ã»«è”å®šã»•ã,CÈã»ÝCisco

IOSãftãfã»ã,¤ã,¹ã»—ã€IPãf—ãfãf^ã,³ãf«91ãf'ã,±ãffãf^ã» UDPãf»ãf¹/4ãf^2067ã,'ãfãffã,¹ãf³ã»—

Cisco

IOSãftãfã»ã,¤ã,¹ã»—ã€DLSwã»CÈè”å®šã»•ã,CÈã»|ã»„ã,<å’å»^ã€IPãf—ãfãf^ã,³ãf«91ãf'ã,±ãfSequenced

Transport(FST)ç”“ã»«è”å®šã»•ã,CÈã»|ã»„ã,<å’å»^ã»«ã»®ã»¿ä½ç”“ã»•ã,CÈã»³/4ã»™ã€,DLSFSTãf'ã,Cè”å®šã»«ã»—ã€æ¬jã»®èjCÈå»«ã»³/4ã,CÈã»³/4ã»™ã€,

dlsw remote-peer 0 fst <ip-address>

dlsw udp-

disableã,³ãfžãf³ãf‰oã,’ä½ç”“ã»™ã,<ã»“ã€DLSwã»§UDPå‡'ç‡†ã,'ç„jåŠ¹ã»«ã»§ã»?ã»³/4ã»™ã€

ã»“ã,CÈã,%oã»®è,,tå¼±æ€§ã»—ã€Cisco Bug ID [CSCsk73104](#)

([CVE-2008-1152](#))ã»—ã»|æ-‡æ»åŒ-ã»•ã,CÈã»Common Vulnerabilities and Exposures(CVE)IDã»—ã»—ã»|CVE-2008-

1152ã»CÈå‰o²ã,Šå½“ã»|ã,%oã,CÈã»|ã»„ã»³/4ã»™ã€,

å›žé?¿ç-

å›žé?¿ç—ã€ãf»ãf¹/4ãf^2067ã»Šã,^ã»³IPãf—ãfãf^ã,³ãf«91ã»®ãf'ã,±ãffãf^ã»«å—³/4ã»™ã,

DLSwã»CÈè”å®šã»•ã,CÈã,<ã»“ã»™ã»?ã»“ã€Cisco

IOSãftãfã»ã,¤ã,¹ã»—IPãf—ãfãf^ã,³ãf«91ã»§ãf'a,¹ãf \llcorner ãf³ã,°ã,'é- \llcorner å§ \llcorner ã»—ã»³/4ã»™ã€,ã»Ýã»—ã»—ã»Sequenced

Transport(FST)ç”“ã»«è”å®šã»•ã,CÈã»|ã»„ã,<å’å»^ã»«ã»®ã»¿ä½ç”“ã»•ã,CÈã»³/4ã»™ã€,DLSFSTãf'ã,Cè”å®šã»«ã»—ã€æ¬jã»®èjCÈå»«ã»³/4ã,CÈã»³/4ã»™ã€,

dlsw remote-peer 0 fst <ip-address>

FSTã»CÈä½ç”“ã»•ã,CÈã»|ã»„ã,<å’å»^ã€IPãf—ãfãf^ã,³ãf«91ã,'ãf \llcorner ã,Èãf«ã,¿ãfãff³ã,°ã»™ã,<ã»“ã

dlsw udp-

disable 3afžāf3āf%oā,’ä½ç””a♦™a,<a♦” ” a€♦DLSwã♦§UDPå‡ | ç♦†ā,’ç,,jåŠ¹a♦«a♦§ã♦§a♦¾a♦™a€

1. a€Œdlsw udp-

disable 3afžāf3āf%oā,’ä½ç””a♦—a♦ | UDPç™oä¿jäfä,±äffäf^ä,’ç,,jåŠ¹a♦«a♦—a♦¾a♦™a€

2. a,¤äf3äf•äf©ä,1äf^äf©ä,—a♦ | a€♦è,,tå¼±æ€§ã♦®ã♦,ä,<äf‡äf♦ä,¤ä,1ä 2067ä,’äf•ä,Fäf«ä,¤äf^äf^ä,°a♦—a♦¾a♦™a€,

aƒ♦äffäf^äf—äf¼ä,—å†...a♦®Ciscoäf‡äf♦ä,¤ä,1a♦«å°Zå...¥a♦§ã♦§a♦,e;½åŠ a♦®ç·©å’Œäftä,—äf<ä

<https://sec.cloudapps.cisco.com/security/center/content/CiscoAppliedMitigationBulletin/cisco-amb-20080326-dlsw>

å½±é¥;ä,’å♦—a♦’ä,<äf‡äf♦ä,¤ä,1a♦§ã♦®ä,3af3äf^äfäf¼äf«äf—äf—äf¼äf3äf♦äf^ä,¤ä,°(CoPP)ä,’ä½ç””a♦—a♦ | a€♦äf‡äf♦ä,¤ä,1a♦,a♦®ä¿i

IOS ä,½äf•äf^ä, | ä,§ä,ç äf^äf^äf¼ä,1

12.0Sä♦12.2SXä♦12.2Sä♦12.3Tä♦12.4ä♦ä♦§ä, ^ä♦³ 12.4T a♦—ä€♦CoPP

æ©¥èf½ä,’ä,µäf♦äf¼äf^ä—ä—ä | a♦,„a♦¾a♦™ä€,äf‡äf♦ä,¤ä,1a♦« CoPP

ä,’è “ å®šä—ä—ä | a€♦ç®jç♦†äf—äf—äf¼äf3ä—” ä,³af^äf^äfäf¼äf«

äf—äf—äf¼äf3ä,—ä—ä—ä€♦æ—çå~ä—®ä,»ä,äf¥äf^äf†ä,F

äf♦äf^ä,¤äf¼ä—§ä, ^ä♦³è “ å®šä—“å¾“ä—ä—ä | a€♦ä,¤äf^äf^äf©ä,1äf^äf©ä,—äf♦äf£ä—®äf‡äf♦ä,¤ä,¤

udp-

disable 3afžāf3āf%oå♦§UDPä♦Œç,,jåŠ¹a♦«a♦” a♦ | a♦ „ä,[å’å♦” a♦](#)—ä€♦UDPäf♦äf¼äf^2067ä,

!---- Deny DLSw traffic from trusted hosts to all IP addresses

!---- configured on all interfaces of the affected device so that

!---- it will be allowed by the CoPP feature

```
access-list 111 deny udp host 192.168.100.1 any eq 2067
access-list 111 deny 91 host 192.168.100.1 any
```

!---- Permit all other DLSw traffic sent to all IP addresses

!---- configured on all interfaces of the affected device so that it

!---- will be policed and dropped by the CoPP feature

```
access-list 111 permit udp any any eq 2067
access-list 111 permit 91 any any
```

!---- Permit (Police or Drop)/Deny (Allow) all other Layer 3 and Layer 4

!---- traffic in accordance with existing security policies and

!---- configurations for traffic that is authorized to be sent

!---- to infrastructure devices

!---- Create a Class-Map for traffic to be policed by
!---- the CoPP feature

```
class-map match-all drop-DLSw-class
  match access-group 111
```

!---- Create a Policy-Map that will be applied to the
!---- Control-Plane of the device.

```
policy-map drop-DLSw-traffic
  class drop-DLSw-class
    drop
```

!---- Apply the Policy-Map to the Control-Plane of the
!---- device

```
control-plane
  service-policy input drop-DLSw-traffic
```

!!--- IOS

12.2S⁰f^f⁰---⁰ 12.0S⁰f^f⁰---⁰

```
policy-map drop-DLSw-traffic
  class drop-DLSw-class
    police 32000 1500 1500 conform-action drop exceed-action drop
```

CoPPæ©Yèf^{1/2}---⁰ 12.0S⁰f^f⁰---⁰

af^f⁰---⁰ 12.0S⁰f^f⁰---⁰

af^f⁰---⁰ 12.0S⁰f^f⁰---⁰

disable⁰---⁰ 12.0S⁰f^f⁰---⁰

!---- Permit DLSw (UDP port 2067 and IP protocol 91) packets
!---- from trusted hosts destined to infrastructure addresses.

```
access-list 150 permit udp TRUSTED_HOSTS MASK INFRASTRUCTURE_ADDRESSES MASK eq 2067
```

```
access-list 150 permit 91 TRUSTED_HOSTS MASK INFRASTRUCTURE_ADDRESSES MASK
```

```
!---- Deny DLSw (UDP port 2067 and IP protocol 91) packets from  
!---- all other sources destined to infrastructure addresses.
```

```
access-list 150 deny udp any INFRASTRUCTURE_ADDRESSES MASK eq 2067  
access-list 150 deny 91 any INFRASTRUCTURE_ADDRESSES MASK
```

```
!---- 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
```

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

Protecting Your Core: Infrastructure Protection Access Control

Lists the following access control lists (ACLs) for protecting the core network:

http://www.cisco.com/en/US/tech/tk648/tk361/technologies_white_paper09186a00801a1a55.shtml

Access Control Lists (ACLs)

The following ACLs are used for protecting the core network:

Access Control List 150 (ACL 150):

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

Access Control List 151 (ACL 151):

```
access-list 151 deny ip any any
```

Access Control List 152 (ACL 152):

```
access-list 152 deny ip any any
```

Cisco IOS ACL 153 (ACL 153):

```
access-list 153 deny ip any any
```

Cisco IOS ACL 154 (ACL 154):

```
access-list 154 deny ip any any
```

Cisco IOS ACL 155 (ACL 155):

```
access-list 155 deny ip any any
```

Cisco IOS ACL 156 (ACL 156):

```
access-list 156 deny ip any any
```

Cisco IOS ACL 157 (ACL 157):

```
access-list 157 deny ip any any
```

äf;ä, äffäf ^{1/4} äf ^a äf ^a äf ^{1/4} ä, ¹	
Affected 12.0-Based Releases	
12.0	è,,†å ^{1/4±æ€§ä♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦—}
12.0DA	12.0(8)DA3ä,^ã,Šå‰♦ã♦®äf ^a äf ^{1/4} ä, ¹ ã♦«ã♦—è,,†å ^{1/4±æ€§ä♦Œã♦,ã,Šã€♦12.0(8)DA3}
12.0DB	12.0(7)DBä,^ã,Šå‰♦ã♦®äf ^a äf ^{1/4} ä, ¹ ã♦«ã♦—è,,†å ^{1/4±æ€§ä♦Œã♦,ã,Šã€♦12.0(7)DBä»}
12.0DC	12.0(7)DCä,^ã,Šå‰♦ã♦®äf ^a äf ^{1/4} ä, ¹ ã♦«ã♦—è,,†å ^{1/4±æ€§ä♦Œã♦,ã,Šã€♦12.0(7)DCä»}
12.0S	12.0(17)S5ä,^ã,Šå‰♦ã♦®äf ^a äf ^{1/4} ä, ¹ ã♦«ã♦—è,,†å ^{1/4±æ€§ä♦Œã♦,ã,Šã€♦12.0(17)S5ä}
12.0SC	è,,†å ^{1/4±æ€§ä♦^ä♦—}
12.0SL	è,,†å ^{1/4±æ€§ä♦^ä♦—}
12.0SP	è,,†å ^{1/4±æ€§ä♦^ä♦—}
12.0ST	è,,†å ^{1/4±æ€§ä♦^ä♦—}
12.0SX	è,,†å ^{1/4±æ€§ä♦^ä♦—}
12.0SY	è,,†å ^{1/4±æ€§ä♦^ä♦—}
12.0SZ	è,,†å ^{1/4±æ€§ä♦^ä♦—}

12.0T	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.0W	è,,†å¼±æ€§ã,ã,Šã€,TACã♦«ã♦Šå•♦ã♦„å♦^ã,♦ã♦>ã♦♦ã♦ ã♦•ã♦„
12.0WC	è,,†å¼±æ€§ã,ã,Šã€,TACã♦«ã♦Šå•♦ã♦„å♦^ã,♦ã♦>ã♦♦ã♦ ã♦•ã♦„
12.0WT	è,,†å¼±æ€§ã♦³ã♦—
12.0XA	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.0XB	è,,†å¼±æ€§ã♦³ã♦—
12.0XC	12.0(2)XC2ã,^ã,Šå‰♦ã♦®ãƒªãƒªãƒ¼ã,¹ã♦«ã♦—è,,†å¼±æ€§ã♦Œã♦,ã,Šã€♦12.0(2)XC2
12.0XD	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.0XE	è,,†å¼±æ€§ã,ã,Šã€♦æœ€å^♦ã♦®ä¿®æ£ã♦— 12.1E
12.0XF	è,,†å¼±æ€§ã♦³ã♦—
12.0XG	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.0XH	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.0XI	12.0(4)XI2ã,^ã,Šå‰♦ã♦®ãƒªãƒªãƒ¼ã,¹ã♦«ã♦—è,,†å¼±æ€§ã♦Œã♦,ã,Šã€♦12.0(4)XI2ã
12.0XJ	12.0(4)XJ5ã,^ã,Šå‰♦ã♦®ãƒªãƒªãƒ¼ã,¹ã♦«ã♦—è,,†å¼±æ€§ã♦Œã♦,ã,Šã€♦12.0(4)XJ5ã
12.0XK	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)

12.0XL	è,,†å¼±æ€§ã¤ªã¤—
12.0XM	è,,†å¼±æ€§ã¤ªã¤—
12.0XN	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ã¤ªã¤®ä¿®æ£ã¤— 12.3)
12.0XQ	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ã¤ªã¤®ä¿®æ£ã¤— 12.3)
12.0XR	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ã¤ªã¤®ä¿®æ£ã¤— 12.3)
12.0XS	è,,†å¼±æ€§ã¤ªã¤—
12.0XV	è,,†å¼±æ€§ã¤ªã¤—
12.0XW	è,,†å¼±æ€§ã¤ªã¤—
Affected 12.1-Based Releases	
12.1	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ã¤ªã¤®ä¿®æ£ã¤— 12.3)
12.1AA	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ã¤ªã¤®ä¿®æ£ã¤— 12.3)
12.1AX	è,,†å¼±æ€§ã¤ªã¤—
12.1AY	12.1(22)AY1ã,^ã,Šå‰¤ã¤®ãƒ¤ãƒ¤f¼ã,¹ã¤«ã¤—è,,†å¼±æ€§ã¤Œã¤,ã,Šã€¤12.1(22)A
12.1AZ	è,,†å¼±æ€§ã¤ªã¤—

12.1CX	è,,†å¼±æ€§ã¤ªã¤—
12.1DA	è,,†å¼±æ€§ã¤ªã¤—
12.1DB	12.1(4)DB1ã,^ã,Šå‰¤ã¤®ãƒ¤ãƒ¤ãƒ¼ã,¹ã¤«ã¤—è,,†å¼±æ€§ã¤Œã¤,ã,Šã€¤12.1(4)DB1
12.1DC	12.1(4)DC2ã,^ã,Šå‰¤ã¤®ãƒ¤ãƒ¤ãƒ¼ã,¹ã¤«ã¤—è,,†å¼±æ€§ã¤Œã¤,ã,Šã€¤12.1(4)DC2
12.1E	12.1(27b)E4
12.1EA	12.1(11)EA1ã,^ã,Šå‰¤ã¤®ãƒ¤ãƒ¤ãƒ¼ã,¹ã¤«ã¤—è,,†å¼±æ€§ã¤Œã¤,ã,Šã€¤12.1(11)EA
12.1EB	è,,†å¼±æ€§ã¤ªã¤—
12.1EC	è,,†å¼±æ€§ã¤,ã,Šã€,12.2BCã¤®ä»»æ,,¤ã¤®ãƒ¤ãƒ¤ãƒ¼ã,¹ã¤«ç§»èŒ
12.1EO	è,,†å¼±æ€§ã¤ªã¤—
12.1EU	è,,†å¼±æ€§ã¤ªã¤—
12.1EV	è,,†å¼±æ€§ã¤ªã¤—
12.1EW	è,,†å¼±æ€§ã¤ªã¤—
12.1EX	è,,†å¼±æ€§ã¤,ã,Šã€¤æœ€å^¤ã¤®ä¿®æ£ã¤— 12.1E
12.1EY	è,,†å¼±æ€§ã¤ªã¤—
12.1EZ	è,,†å¼±æ€§ã¤,ã,Šã€¤æœ€å^¤ã¤®ä¿®æ£ã¤— 12.1E

12.1GA	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1GB	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1T	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1XA	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1XB	è,,†å¼±æ€§ãªã♦—
12.1XC	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1XD	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1XE	è,,†å¼±æ€§ãªã♦—
12.1XF	è,,†å¼±æ€§ãªã♦—
12.1XG	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1XH	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1XI	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1XJ	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1XK	è,,†å¼±æ€§ãªã♦—
12.1XL	è,,†å¼±æ€§ãªã♦—

12.1XM	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ -12.3)
12.1XN	è,,†å¼±æ€§ã♦^ã♦—
12.1XO	è,,†å¼±æ€§ã♦^ã♦—
12.1XP	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ -12.3)
12.1XQ	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ -12.3)
12.1XR	è,,†å¼±æ€§ã♦^ã♦—
12.1XS	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ -12.3)
12.1XT	12.1(3)XT2ã,^ã,Šå‰♦ã♦®ãƒªãƒªãƒ¼ã,¹ã♦«ã♦—è,,†å¼±æ€§ã♦Œã♦,ã,Šã€♦12.1(3)XT2ã,^ã,Šå‰♦ã♦®ãƒªãƒªãƒ¼ã,¹ã♦«ã♦—
12.1XU	è,,†å¼±æ€§ã♦^ã♦—
12.1XV	12.1(5)XV1ã,^ã,Šå‰♦ã♦®ãƒªãƒªãƒ¼ã,¹ã♦«ã♦—è,,†å¼±æ€§ã♦Œã♦,ã,Šã€♦12.1(5)XV1ã,^ã,Šå‰♦ã♦®ãƒªãƒªãƒ¼ã,¹ã♦«ã♦—
12.1XW	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ -12.3)
12.1XX	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ -12.3)
12.1XY	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ -12.3)
12.1XZ	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ -12.3)
12.1YA	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ -12.3)

12.1YB	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1YC	è,,†å¼±æ€§ã♦³ã♦—
12.1YD	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1YE	12.1(5)YE1ã,^ã,Šå‰♦ã♦®ãƒªãƒªãƒ¼ã,¹ã♦«ã♦¬è,,†å¼±æ€§ã♦Œã♦,ã,Šã€♦12.1(5)YE1ã
12.1YF	è,,†å¼±æ€§ã♦³ã♦—
12.1YG	è,,†å¼±æ€§ã♦³ã♦—
12.1YH	è,,†å¼±æ€§ã♦³ã♦—
12.1YI	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.1YJ	è,,†å¼±æ€§ã♦³ã♦—
Affected 12.2-Based Releases	
12.2	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)
12.2B	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.4)
12.2BC	è,,†å¼±æ€§ã♦³ã♦—
12.2BW	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦¬ 12.3)

12.2BY	è,,†å¼±æ€§ã,ã(æœ€åã®ä¿®æ£ã 12.4)
12.2BZ	è,,†å¼±æ€§ãã—
12.2CX	è,,†å¼±æ€§ãã—
12.2CY	è,,†å¼±æ€§ãã—
12.2CZ	è,,†å¼±æ€§ãã—
12.2DA	è,,†å¼±æ€§ãã—
12.2DD	è,,†å¼±æ€§ã,ã(æœ€åã®ä¿®æ£ã 12.4)
12.2DX	è,,†å¼±æ€§ã,ã(æœ€åã®ä¿®æ£ã 12.4)
12.2EU	è,,†å¼±æ€§ãã—
12.2EW	è,,†å¼±æ€§ãã—
12.2EWA	è,,†å¼±æ€§ãã—
12.2EX	12.2(20)EXã,ãå‰¤ãã®ãfããf½ã,¹ã«ã—è,,†å¼±æ€§ãŒã,ãæ¢12.2(20)EXã,ã
12.2EY	è,,†å¼±æ€§ãã—
12.2EZ	è,,†å¼±æ€§ãã—
12.2FX	è,,†å¼±æ€§ãã—

12.2FY	è,,†å¼±æ€§ã¤ªã¤—
12.2FZ	è,,†å¼±æ€§ã¤ªã¤—
12.2IXA	è,,†å¼±æ€§ã¤,ã,Šã€,TACã¤«ã¤Šå·¤ã¤„å¤^ã,¤ã¤>ã¤ã¤ã¤ã¤•ã¤„
12.2IXB	è,,†å¼±æ€§ã¤,ã,Šã€,TACã¤«ã¤Šå·¤ã¤„å¤^ã,¤ã¤>ã¤ã¤ã¤ã¤•ã¤„
12.2IXC	è,,†å¼±æ€§ã¤,ã,Šã€,TACã¤«ã¤Šå·¤ã¤„å¤^ã,¤ã¤>ã¤ã¤ã¤ã¤•ã¤„
12.2IXD	è,,†å¼±æ€§ã¤,ã,Šã€,TACã¤«ã¤Šå·¤ã¤„å¤^ã,¤ã¤>ã¤ã¤ã¤ã¤•ã¤„
12.2IXE	è,,†å¼±æ€§ã¤,ã,Šã€,12.2IXFã¤®ä»»æ,,¤ã¤®ãƒ¤ãƒ¤ãƒ¤,¹ã¤«ç§»è¡Œ
12.2JA	è,,†å¼±æ€§ã¤ªã¤—
12.2JK	è,,†å¼±æ€§ã¤ªã¤—
12.2MB	è,,†å¼±æ€§ã¤ªã¤—
12.2MC	12.2(15)MC2h
12.2S	12.2(25)S15
12.2SB	12.2(28)SB10 12.2(31)SB9 12.2(33)SBi¼^2008å¹'3æœ^31æ—¥ã¤«å...¥æ‰¤å¤—èf½i¼‰
12.2SBC	è,,†å¼±æ€§i¼§ 12.2SB ã¤§æœ€å^¤ã¤«ä¿®æ£ã€,2008å¹'3æœ^31æ—¥ã¤«å...¥æ‰¤å¤—

12.2SCA	è,,†å¼±æ€§ã¤ªã¤—
12.2SE	è,,†å¼±æ€§ã¤ªã¤—
12.2SEA	è,,†å¼±æ€§ã¤ªã¤—
12.2SEB	è,,†å¼±æ€§ã¤ªã¤—
12.2SEC	è,,†å¼±æ€§ã¤ªã¤—
12.2SED	è,,†å¼±æ€§ã¤ªã¤—
12.2SEE	è,,†å¼±æ€§ã¤ªã¤—
12.2SEF	è,,†å¼±æ€§ã¤ªã¤—
12.2SEG	è,,†å¼±æ€§ã¤ªã¤—
12.2SG	12.2(44)SG
12.2SGA	è,,†å¼±æ€§ã¤ªã¤—
12.2SL	è,,†å¼±æ€§ã¤ªã¤—
12.2SM	è,,†å¼±æ€§ã¤ªã¤—
12.2SO	è,,†å¼±æ€§ã¤ªã¤—
12.2SRA	12.2(33)SRA6

12.2SRB	12.2(33)SRB3 ^{1/4} 2008 ^{1/4} æœ^7æ—¥ã«å...¥æ‰ ^{1/4} èf½i ^{1/4} ‰
12.2SRC	è,,†å ^{1/4} ±æ€§ã♦^ã♦—
12.2SU	è,,†å ^{1/4} ±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.4)
12.2SV	12.2(29a)SV1ã,^ã,Šå‰♦ã♦®ãƒªãƒªãƒ¹/4ã,¹ã♦«ã♦—è,,†å ^{1/4} ±æ€§ã♦Œã♦,ã,Šã€♦12.2(29a)
12.2SVA	è,,†å ^{1/4} ±æ€§ã♦^ã♦—
12.2SVC	è,,†å ^{1/4} ±æ€§ã♦^ã♦—
12.2SVD	è,,†å ^{1/4} ±æ€§ã♦^ã♦—
12.2SW	12.2(25)SW10ã,^ã,Šå‰♦ã♦®ãƒªãƒªãƒ¹/4ã,¹ã♦«ã♦—è,,†å ^{1/4} ±æ€§ã♦Œã♦,ã,Šã€♦12.2(25)
12.2SX	è,,†å ^{1/4} ±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.2SXF)
12.2SXA	è,,†å ^{1/4} ±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.2SXF)
12.2SXB	è,,†å ^{1/4} ±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.2SXF)
12.2SXD	è,,†å ^{1/4} ±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.2SXF)
12.2SXE	è,,†å ^{1/4} ±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.2SXF)
12.2SXF	12.2(18)SXF12 12.2(18)SXF12a

12.2SXH	12.2(33)SXH1
12.2SY	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.2SXF)
12.2SZ	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.2S)
12.2T	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.3)
12.2TPC	12.2(8)TPC10d
12.2UZ	è,,†å¼±æ€§ã³ã♦—
12.2XA	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.3)
12.2XB	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.3)
12.2XC	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.4)
12.2XD	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.3)
12.2XE	è,,†å¼±æ€§ã³ã♦—
12.2XF	è,,†å¼±æ€§ã³ã♦—
12.2XG	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.3)
12.2XH	è,,†å¼±æ€§ã,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦ 12.3)

12.2XI	è,,†å¼±æ€§ã♦ªã♦—
12.2XJ	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.2XK	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.2XL	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.2XM	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.2XN	12.2(33)XN1
12.2XO	è,,†å¼±æ€§ã♦ªã♦—
12.2XQ	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.2XR	è,,†å¼±æ€§ã♦ªã♦—
12.2XS	è,,†å¼±æ€§ã♦ªã♦—
12.2XT	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.2XU	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.2XV	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.2XW	è,,†å¼±æ€§ã♦,ã,Š(æœ€å^♦ã♦®ä¿®æ£ã♦— 12.3)
12.2YA	12.2(4)YA8ã,^ã,Šå‰♦ã♦®ãƒºãƒºãƒ¼ã,¹ã♦«ã♦—è,,†å¼±æ€§ã♦Œã♦,ã,Šã€♦12.2(4)YA8

12.2YB	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.3)
12.2YC	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.3)
12.2YD	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.4)
12.2YE	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.2S)
12.2YF	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.3)
12.2YG	è,,†å¼±æ€§ã,ã, —
12.2YH	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.3)
12.2YJ	12.2(8)YJ1ã,ã,Šå‰ã,ã,®äfã,ã,äf¼ã,ã, «ã,ã, — è,,†å¼±æ€§ã,ã, — 12.2(8)YJ1ã,ã,Šå‰ã,ã,®äfã,ã,äf¼ã,ã,
12.2YK	è,,†å¼±æ€§ã,ã, —
12.2YL	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.4)
12.2YM	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.4)
12.2YN	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.4)
12.2YO	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.2SXF)
12.2YP	è,,†å¼±æ€§ã,ã, —

12.2YQ	è,,†å¼±æ€§ã¤ºã¤—
12.2YR	è,,†å¼±æ€§ã¤ºã¤—
12.2YS	è,,†å¼±æ€§ã¤ºã¤—
12.2YT	è,,†å¼±æ€§ã¤º,ã,Š(æœ€å^ã¤ºã¤®ä¿®æ£ã¤— 12.3)
12.2YU	è,,†å¼±æ€§ã¤º,ã,Š(æœ€å^ã¤ºã¤®ä¿®æ£ã¤— 12.4)
12.2YV	12.2(11)YV1ã,^ã,Šå‰ºã¤ºã¤®ãƒºãƒºãƒ¼ã,¹ã¤º«ã¤—è,,†å¼±æ€§ã¤ºæ£ã¤— 12.2(11)YV1
12.2YW	è,,†å¼±æ€§ã¤º,ã,Š(æœ€å^ã¤ºã¤®ä¿®æ£ã¤— 12.4)
12.2YX	è,,†å¼±æ€§ã¤º,ã,Š(æœ€å^ã¤ºã¤®ä¿®æ£ã¤— 12.4)
12.2YY	è,,†å¼±æ€§ã¤º,ã,Š(æœ€å^ã¤ºã¤®ä¿®æ£ã¤— 12.4)
12.2YZ	è,,†å¼±æ€§ã¤º,ã,Š(æœ€å^ã¤ºã¤®ä¿®æ£ã¤— 12.2S)
12.2ZA	è,,†å¼±æ€§ã¤º,ã,Š(æœ€å^ã¤ºã¤®ä¿®æ£ã¤— 12.2SX)
12.2ZB	è,,†å¼±æ€§ã¤º,ã,Š(æœ€å^ã¤ºã¤®ä¿®æ£ã¤— 12.4)
12.2ZC	è,,†å¼±æ€§ã¤ºã¤—
12.2ZD	è,,†å¼±æ€§ã¤º,ã,Šã€,TACã¤º«ã¤ºŠå•ã¤º„å¤º^ã,ã¤º»ã¤ºã¤ºã¤ºã¤º„ã¤º•ã¤º„

12.2ZE	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã,ã,®ä¿®æ£ã,ã, 12.3)
12.2ZF	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã,ã,®ä¿®æ£ã,ã, 12.4)
12.2ZG	è,,†å¼±æ€§ã,ã,—
12.2ZH	12.2(13)ZH6ã,^ã,Šå‰ã,ã,®äƒãäƒãäƒ¼ã,¹ã,«ã,—è,,†å¼±æ€§ã,CEã,ã,Šã€, 12.2(13)ZH6
12.2ZJ	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã,ã,®ä¿®æ£ã,ã, 12.4)
12.2ZL	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã,ã,®ä¿®æ£ã,ã, 12.4)
12.2ZP	è,,†å¼±æ€§ã,ã,—
12.2ZU	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã,ã,®ä¿®æ£ã,ã, 12.2SXH)
12.2ZY	12.2(18)ZY2
Affected 12.3-Based Releases	
12.3	12.3(24)
12.3B	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã,ã,®ä¿®æ£ã,ã, 12.4)
12.3BC	è,,†å¼±æ€§ã,ã,—
12.3BW	è,,†å¼±æ€§ã,ã,Š(æœ€å^ã,ã,®ä¿®æ£ã,ã, 12.4)

12.3EU	è,,†å¼±æ€§ã¤ªã¤—
12.3JA	è,,†å¼±æ€§ã¤ªã¤—
12.3JEA	è,,†å¼±æ€§ã¤ªã¤—
12.3JEB	è,,†å¼±æ€§ã¤ªã¤—
12.3JEC	è,,†å¼±æ€§ã¤ªã¤—
12.3JK	12.3(8)JK1ã,^ã,Šå‰o♦ã¤®ãƒªãƒªf¼ã,¹ã¤«ã¤—è,,†å¼±æ€§ã¤®ã¤,ã,Šã€♦12.3(8)JK1ä,
12.3JL	è,,†å¼±æ€§ã¤ªã¤—
12.3JX	è,,†å¼±æ€§ã¤ªã¤—
12.3T	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^♦ã¤®ä¿®æ£ã¤— 12.4)
12.3TPC	è,,†å¼±æ€§ã¤ªã¤—
12.3VA	è,,†å¼±æ€§ã¤,ã,Šã€,TACã¤«ã¤Šå•♦ã¤„å¤^ã,♦ã¤>ã¤ã¤ã¤ã¤•ã¤„
12.3XA	12.3(2)XA7i¼2008å¹'3æœ^31æ—¥ã¤«å...¥æ‰oå¤—èf½i¼‰
12.3XB	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^♦ã¤®ä¿®æ£ã¤— 12.4)
12.3XC	12.3(2)XC5

12.3XD	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.4)
12.3XE	12.3(2)XE6i¼^2008å¹'3æœ^31æ—¥ã,ã,«å...¥æ‰ å —èf½i¼%o
12.3XF	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.4)
12.3XG	è,,†å¼±æ€§ã,ã, 12.3YG ã,ã,«å...¥æ‰ å —èf½
12.3XH	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.4)
12.3XI	12.3(7)XI11i¼^2008å¹'9æœ^18æ—¥ã,ã,«å...¥æ‰ å —èf½i¼%o
12.3XJ	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.3YX)
12.3XK	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.4)
12.3XQ	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.4)
12.3XR	12.3(7)XR8i¼^2008å¹'3æœ^31æ—¥ã,ã,«å...¥æ‰ å —èf½i¼%o
12.3XS	è,,†å¼±æ€§ã,ã,«å...¥æ‰ å —
12.3XU	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.4T)
12.3XW	è,,†å¼±æ€§ã,ã,Š(æœ€å^ ã,ã,®ä¿®æ£ã,ã, 12.3YX)

12.3XY	è,,†å¼±æ€§ã¤ªã¤—
12.3YA	è,,†å¼±æ€§ã¤ªã¤—
12.3YD	è,,†å¼±æ€§ã¤ªã¤—
12.3YF	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ ã¤®ä¿®æ£ã¤— 12.3YX)
12.3YG	12.3(8)YG7i¼^2008å¹'6æœ^16æ—¥ã¤«å...¥æ‰o<å¤—èf½i¼‰o
12.3YH	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ ã¤®ä¿®æ£ã¤— 12.4T)
12.3YI	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ ã¤®ä¿®æ£ã¤— 12.4T)
12.3YJ	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ ã¤®ä¿®æ£ã¤— 12.4T)
12.3YK	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ ã¤®ä¿®æ£ã¤— 12.4T)
12.3YM	12.3(14)YM12
12.3YQ	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ ã¤®ä¿®æ£ã¤— 12.4T)
12.3YS	12.3(11)YS3i¼^2008å¹'3æœ^31æ—¥ã¤«å...¥æ‰o<å¤—èf½i¼‰o
12.3YT	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ ã¤®ä¿®æ£ã¤— 12.4T)
12.3YU	è,,†å¼±æ€§ã¤,ã,Šã€¤æœ€å^ ã¤®ä¿®æ£ã¤— 12.4XB

12.3YX	12.3(14)YX11
12.3YZ	12.3(11)YZ3
Affected 12.4-Based Releases	
12.4	12.4(10c) 12.4(13e) 12.4(16b) 12.4(17) 12.4(3h) 12.4(8d)
12.4JA	è,,†å¼±æ€§ã¤ªã¤—
12.4JK	è,,†å¼±æ€§ã¤ªã¤—
12.4JMA	è,,†å¼±æ€§ã¤ªã¤—
12.4JMB	è,,†å¼±æ€§ã¤ªã¤—
12.4JMC	è,,†å¼±æ€§ã¤ªã¤—
12.4JX	è,,†å¼±æ€§ã¤ªã¤—
12.4MD	è,,†å¼±æ€§ã¤ªã¤—

12.4MR	è,,†å¼±æ€§ã¤ªã¤—
12.4SW	è,,†å¼±æ€§ã¤,ã,Šä€,TACã¤«ã¤Šå•ã¤„å¤^ã,ã¤>ã¤ã¤ã¤ ã¤•ã¤„
12.4T	12.4(15)T2 12.4(6)T10 12.4(9)T7
12.4XA	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ã¤ã¤®ä¿®æ£ã¤— 12.4T)
12.4XB	12.4(2)XB6
12.4XC	è,,†å¼±æ€§ã¤,ã,Šä€,TACã¤«ã¤Šå•ã¤„å¤^ã,ã¤>ã¤ã¤ã¤ ã¤•ã¤„
12.4XD	12.4(4)XD10
12.4XE	12.4(6)XE2
12.4XF	è,,†å¼±æ€§ã¤ªã¤—
12.4XG	12.4(9)XG2
12.4XJ	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ã¤ã¤®ä¿®æ£ã¤— 12.4T)
12.4XK	è,,†å¼±æ€§ã¤,ã,Š(æœ€å^ã¤ã¤®ä¿®æ£ã¤— 12.4T)
12.4XL	12.4(15)XL2
12.4XM	è,,†å¼±æ€§ã¤ªã¤—

12.4XN	è,,†å¼±æ€§ã¤ªã¤—
12.4XT	12.4(6)XT2
12.4XV	12.4(11)XV
12.4XW	è,,†å¼±æ€§ã¤,ã,Šã€,TACã¤«ã¤Šå•ã¤„å¤^ã,ã¤ã¤ã¤ã¤„ã¤•ã¤„
12.4XY	è,,†å¼±æ€§ã¤ªã¤—

Cisco IOS Software

Modularityç”“ã¤®ç‰¹å^¥ã¤ªã¤ffã¤ã¤—ã¤12.2(18)SXF11ã¤§ã,,å^ç”“ã¤§ã¤ã¤ã¤¾ã¤™ã€,ã¤

IOS Software Modularity Patch

Navigator(https://sec.cloudapps.cisco.com/swdf/ionpn/jsp/result.jsp?s_tarballWild=mp001-p.122-18.SXF11&reqType=cWork)ã¤
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Cisco PSIRT

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URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20080326-dlsw>

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Revision 1.5	2008å¹'6æœ^26æ—¥	ã¤f¤ã¤f³ã,—ã¤“æ-‡è”“€ã,’å‰çé™¤ã¤™ã,ã¤¤Yã,,ã¤ã¤«æ ,è ¤ã,’æ’æ
ã¤f¤ã¤f“ã,ã¤§ã¤f³ 1.4	2008å¹'4æœ^25æ—¥	CSCsk73104 ã¤®CVSSã,1ã,³ã,çã¤,ã¤®ã¤f¤ã¤f³ã,—ã,’æ’æ-°ã€,
ã¤f¤ã¤f“ã,ã¤§ã¤f³	2008å¹'4æœ^21æ—¥	IOS Software Modularityã¤f¤ffã¤ã¤®ç‰¹å®šã¤f¤ã¤f³ã,—ã,’è½åŠ

1.3		
1.2 ãf ^a ãf [“] ã, ,ãf§ãf ³	2008å¹’3æœ^31æ—¥	IOS First Fixed Table, ’æ£ã—ã „ãftãf¼ãf-ãf«ã «ç½®ã æ?
1.1 ãf ^a ãf [“] ã, ,ãf§ãf ³	2008å¹’3æœ^29æ—¥	ã, çäf‰oãf ã,¤ã, ¶ãfªID cisco-sa-20080326-IPv4IPv6 i¼IPv4IPv6ãf‡ãf¥ã, çäf«ã, !ã, ,ãffã, -ãf«ãf¼ã, ,ã «é-çã™ã
1.0 ãf ^a ãf [“] ã, ,ãf§ãf ³	2008å¹’3æœ^26æ—¥	ã^ç‰ ^ãf ^a ãf¼ã, !

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翻訳について

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