

1.

MS(1984)

2.

(,)

ITU-T X.400(1984) TTA.CT-X400

3.

- 3.1 TTA :
- 3.2 ITU-T :
- 3.3 ITU-T :
- 3.4 ISO :

4.

1	1996. 01. 06	

Preface

1. Summary

This standard defines interopeability test items among implementations which claim the conformance to the MS(1984) standards.

2. Relation with other standards

This standard has relation with the ITU-T X.400(1984) series of standards and the TTA-CT-X.400 series of standards.

3. References

- 3.1 TTA Standard : None
- 3.2 ITU-T Recommendations : None
- 3.3 ITU-R Recommendations : None
- 3.4 ISO Standards : None

4. History

Version	Issued date	Contents
1	1996. 01. 0.1	Established

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1.2

“OSIone Global Forum” “OSIone
MS Interoperability Tests Stable Test Cases”(Version 1, Edition 2, Sep. 1990)
“< >”
가 가
.
가 .
- / (SR)
- (RL)
- (LM)
- (RT)
가 , (: SR-204-C) 가
가 ‘가’, ‘ , 가
‘A’, ‘B’ 가 .

1.3

ITU-T X.400('84) ,
(KIS-1K-0017('92)) “ (1.0)”

2 (test cases)

2.1 /

2.1.1 / -001(SR-001)

: /

:

: 1. 1 X.400 (Primary Recipient)

2. (Delivery Report)

: .

2.1.2 / -002(SR-002)

: /

: (O/R)

: 1. 1 X.400

(: (Surname)

)

2.

: 가 “ O/R (Unrecognized O/R Name)”
(Non-Delivery Report) .

2.1.3 / -003(SR-003)

: /

:

MTA

: 1. 2 X.400

2.

: .

2.1.4 / -004(SR-004)

: /

: 3 MA (3 MA)

: MA

: 1. 2 X.400 .

(ADM, PRMD)

2.

:

2.1.5 / -005(SR-005)

: /

: (Local)

: 1. 2 X.400 (1

, 1)

2.

:

2.2 / - / (O/R)

가 MTA .

2.2.1 / - 101(SR- 101)

: /

:

: 1. 1 X. 400

(O/R (Per sonal name))

2.

3.

:

2.2.2 / - 102(SR- 102)

: /

:

: 1. X. 400

(O/R ,)

2.

: 가 “ O/R ” .

2.2.3 / - 103-가(SR- 103-A)

: /

: (,)

: 1. 1 X. 400 .

O/R ,

(Sur name), (Gi venname)

2.
:

2.2.4 / - 103- (SR- 103-B)
: /
: (, , ,)
: 1. 1 X.400
O/R ,

(Surname), (Givenname), (Initials),
(GenerationQualifier)

2.
:

< > ,

2.2.5 / - 104- 가 (SR- 104-A)
: /
:
: 1. MA 2
(: "Kim Gildong" "Kim Youngho").
2. O/R
(: kim)
3.
: 가 “ (Ambiguous) O/R ” “ O/R
”

2.2.6 / - 104- (SR- 104-B)
: /
:

: 1. MTA 가 2
 .
 (: "Lincoln, Abraham A. " "Lincoln, Abraham B. ")
 2. O/R
 (: Lincoln) (: Abraham)
 3.
 : 가 “ O/R ” “ O/R ”
 .

< >

2.2.7 / - 104- (SR- 104-C)

: /
 :
 : 1. MTA , , 가 2
 .
 (: "Lincoln, Abraham A. II " "Lincoln, Abraham A. III")
 2. O/R
 (: Lincoln), (: Abraham), (: A)
 .
 3.
 : 가 “ O/R ” “ O/R ”
 .

< >

2.2.8 / - 105- 가 (SR- 105-A)

: /
 : O/R MTS ()
 : 1. MTA
 (Alternate Recipient)
 2. O/R
 .

3.
: 가 “ O/R ”
< >: 가
(NIST SP500-162, section 7.5.3.5, "O/R name Protocol Elements," which states that "Overspecified CRNames... are to be non-delivered or sent to the alternate recipient as appropriate.").

2.2.9 / -105- (SR-105-B)

: /
: O/R MS ()
: 1. MA
2. O/R ,
3.
: 가 “ O/R ”
< >: 가
(NIST SP500-162, section 7.5.3.5, "O/R name Protocol Elements," which states that "Overspecified CRNames... are to be non-delivered or sent to the alternate recipient as appropriate.").

2.2.10 / -106(SR-106)

: /
: (Organization Name)
: 1. MA (routing)
MA
2. MA O/R 1
3. O/R
4.
:

< > MIA가

2.2.11 / - 107-가(SR- 107-A)

: /

: (Organization Unit)

: 1. MIA 가

MIA

.

2. MIA O/R 가 1 .

3. O/R O/R

가

.

4.

.

:

O/R

(:

O/R

)

.

< > MIA가

2.2.12 / - 107- (SR- 107-B)

: /

: 2

: 1. MIA 2 가

MIA

.

2. MIA O/R 2 가

.

3. 2 O/R

2

,

가

.

4.

.

:

O/R

(:

O/R

O/R

)

< > MIA가

2.2.13 / - 107- (SR- 107-C)

: /

: 3

: 1. MA 3 가

2. MA O/R 3 가

3. 2 O/R
3

가

4.

: O/R (: O/R O/R)

< > MA가

2.2.14 / - 107- (SR- 107-D)

: /

: 4

: 1. MA 4 가

MA
2. MA O/R 4 가

3. 2 O/R
4

가

4.

: O/R (: O/R O/R)

< > MA가

2.2.15 / - 108(SR- 108)

: /

: /
 : 1. MA ()
 MA
 2. MA O/R ()
 .
 3. 2 . O/R
 . ,
 , .
 4.
 : O/R (: O/R
 O/R)
 < > MA가 .

2.2.16 / -109(SR-109)

: /
 : MS
 : 1. MA 가 2
 (: "Lincoln, Abraham A. " "Lincoln, Abraham B. ")
 2. MA 2 1
 . O/R (:Lincoln),
 (:Abraham), (:A)가 .
 3.
 : .
 < > .

2.2.17 / -109-가(SR-109-A)

: /
 : MS
 : 1. MA , 가 2
 (: "Lincoln, Abraham A. II " "Lincoln, A
 Abraham A. III ")

2. MTA 2 1
 . O/R (:Lincoln),
 (:Abraham), (:A), (:II) .

3.
 : .

< >

2.2.18 / - 110(SR- 110)
 : /
 : PRMD
 : 1. MTA
 PRMD "INVALIDPRMD" , MTA MTA
 PRMD "INVALIDPRMD" .
 2. O/R PRMD "INVALIDPRMD"
 .
 3.
 : 가 “ O/R ”

2.3 / - UA

UA 가 , UA
가

. UA CCITT X.401(1984) section 2("Inter-personal
Messaging Service")

< > / -201 / -218
(Interpersonal Message header) IP
ID(IPMessageID) O/R

. CCITT X.420(1984) section
3.2.1("Heading")

2.3.1 / -201(SR-201)
: /
:
(Originator Indication) IPM
: 1. IP
2.
3.
:

2.3.2 / -202-가(SR-202-A)
: /
:
(Primary and Copy Recipients Indication)
IPM
-
: 1.
- 1 , 1
2.
3.
.(
가)
: 2

2.3.3 / -202- (SR-202-B)

: /

: IPM

-

: 1. .

- 2 , 2

2. .

3.

(

가)

: 4 .

2.3.4 / -202- (SR-202-C)

: /

: IPM

-

: 1. .

2. .

3.

: .

< > 1 .

2.3.5 / -203-가 (SR-203-A)

: /

: (Blind Copy Recipient Indication) IPM

-

: 1. 2 .

- 1 , 1

2. .

3.

.

.

가 .

: 2 .

2.3.6 / -203- (SR-203-B)

: /

: IPM

-

: 1. 4 .

- 2 , 2

2. .

3. .

가

: 4 .

2.3.7 / -203- (SR-203-C)

: /

: IPM

-

: 1. X.400

. .

2. .

3. .

: .

< > 1

2.3.8 / -204-가 (SR-204-A)

: /

: (Reply Request Indication) IPM

- , (ReplyBy) IPM

: 1. X.400 .

UTCTime IPM
(: "9404180900-0900" : 1994 4 18 9)

2. .

3. .

. IPM
 .
 : .
 .
 2.3.9 / -204- (SR-204-B)
 : /
 : IPM
 - , (ReplyToUsers) IPM
 : 1. X.400 .
 O/R IPM .
 2. .
 3. .
 . IPM 가
 O/R .
 : .
 2.3.10 / -204- (SR-204-C)
 : /
 : IPM
 - , O/R IPM
 : 1. X.400 .
 UTCTime (: "9404180900-0900" : 1994 4 18 9
) IPM , 2 O/R
 IPM .
 2. .
 3. .
 . IPM
 O/R IPM .
 : .
 2.3.11 / -204- (SR-204-D)
 : /
 : IPM ,
 - , IPM
 : 1. 2 X.400 .
 UTCTime IPM . (:
 "9404180900-0900": 1994 4 18 9)

2. .
 3. IPM

:

2.3.12 / -204- (SR-204-E)

: /

: IPM ,

: 1. 2 X.400 .
 1

2. .

3. 가

4. 가

:

2.3.13 / -205-가 (SR-205-A)

: /

: IP (Replying IP-message Indication) IPM

: 1. 1 X.400 .

2. .

3. .

:

IPM(InReplyTo IPM) IP
 ID .

2.3.14 / -205- (SR-205-B)

: /

: IP

IPM

: 1. 1 X.400
O/R IPM
O/R MTA local
2.
3.
4. “ ” 가 IPM
:
IP ID
IPM

2.3.15 / -206-가(SR-206-A)
: /
: (Cross-Referencing Indication) IPM
()
: 1. 1 X.400
IP ID IPM
(SR-101 IP ID)
2.
3.
, IPM
:
가
,

2.3.16 / -206- (SR-206-B)
: /
: IPM ()
: 1. 1 X.400
2 IP ID IPM
(-101 -102 IP ID)
2.
3.
, IPM
:
가
,

2.3.17 / -207-가(SR-207-A)

```

: /
: (Obsoleting Indication) IPM ( )
: 1. 1 X.400
      IP ID(PrintableString) " "
      IPM
2.
3.
      , IPM
:
      ,

```

2.3.18 / -207- (SR-207-B)

```

: /
: IPM ( )
: 1. 1 X.400
      2 IP ID(PrintableString) "
      " IPM
2.
3.
      , IPM
:
      ,

```

2.3.19 / -208-가(SR-208-A)

```

: /
: (Authorizing Users Indication)
( O/R )
: 1. 1 X.400
      O/R IPM
2.
3.
      , O/R IPM
:

```

2.3.20 / -208- (SR-208-B)

: /

: (O'R)

: 1. 1 X.400 .

2 O'R IPM

2. .

3. ,

O'R IPM

:

2.3.21 / -209(SR-209)

: /

: (Expiry Date Indication)

: 1. 1 X.400 .

UTCTime IPM

(: "9904180900-0900" : 1999 4 18 9)

2. .

3. ,

IPM

:

2.3.22 / -210-가(SR-210-A)

: /

: IP (Forwarded IP-Message Indication) IPM

(가)

: 1. 1 X.400 .

2. .

3. ,

(.)

:

가

IPM , 가 ,

가

< >

IP

P2 .

, 가 .

2.3.23 / -210- (SR-210-B)

: /

: IP IPM (가)

: 1. 1 X.400 .

2. .

3. ,

가 .

: . 가

IPM

가 , 가

.

< >

IP

P2

.

, 가 .

2.3.24 / -210- (SR-210-C)

: /

: IP IPM

()

: 1. 1 X.400 .

2. .

3. , .

(가)

4. , .

(가)

5. , .

()

: . 3

가 . (,

IPM)

< >

. IP

P2

, 가

2.3.25 / -211-가(SR-211-A)
 : /
 : (Importance Indication) IPM ()
 : 1. 1 X.400 .
 " " IPM " " .
 2. .
 3. .
 , IPM
 : .
 가
 . (가
 .)

2.3.26 / -211- (SR-211-B)
 : /
 : IPM ()
 : 1. 1 X.400 .
 " " IPM " " .
 2. .
 3. .
 , IPM
 : 가 " "

2.3.27 / -211- (SR-211-C)
 : /
 : IPM ()
 : 1. 1 X.400 .
 " " IPM " " .
 2. .
 3. .
 , IPM
 : 가

2.3.28 / -211- (SR-211-D)

: /

: IPM ()

: 1. 1 X.400 .

" " IPM .

2. .

3. .

, IPM

: . (

)

가 . (

)

2.3.29 / -212-가(SR-212-A)

: /

: (Sensitivity Indication) IPM ()

: 1. 1 X.400 .

" " IPM “ ” .

2. .

3. .

, IPM

: 가 “ ”

.

2.3.30 / -212- (SR-212-B)

: /

: IPM (, Private)

: 1. 1 X.400 .

" " IPM “ ” .

2. .

3. .

, IPM

: 가 “ ”

.

2.3.31 / -212- (SR-212-C)

: /
: IPM ()
: 1. 1 X.400 .
" " IPM " " .
2. .
3. .
, IPM
: 가 " "

2.3.32 / -213

: /
: (Auto-Forwarded Indication) IPM ()
가)
: 1. 1 X.400 .
2. .
3. , .
(가)
, " " IPM " " .
: . IPM 가
IPM
.

2.3.33 / -214-가(SR-214-A)

: /
: (Multi-Part Body) IPM
- 2
: 1. 1 X.400 .
(IA5Text) 2 .
2. .
3. 2 .

:
< >:

P2

, 가 .

2.3.34 / -214- (SR-214-B)

: /

: IPM

- 2

: 1. 1 X.400 .
(IA5Text, GBFax) 2 .

2. .

3. 2

: .

2.3.35 / -215-가(SR-215-A)

: /

: (Receipt Notification) IPM ()

: 1. 1 X.400 .

2. . -

.

3. .

:
(TypeOfReceipt) 가 “ (Explicit)” “ ”

가 . 가 ,

UA가 .

2.3.36 / -215- (SR-215-B)

: /

: IPM ()

: 1. 1 X.400 .

2. .

3. .

:
가 “ ” “ ” 가

. 가 , UA가

2.3.37 / -216-가(SR-216-A)
 : /
 : (Non-Receipt Notification) IPM ()
)
 : 1. 1 X.400 .
 2. . -
 .
 3. 가
 . (: UA)
 : . ()

2.3.38 / -216- (SR-216-B)
 : /
 : IPM ()
 : 1. 1 X.400 .
 2. .
 3. 가
 . (: UA)
 : .
 ()

2.3.39 / -217
 : /
 : IPM
 : 1. .
 . 2 X.400
 . 2 X.400
 . 2 X.400 ()
 IPM .
 .
 .
 .
 .
 .
 .
 .

.
 IPM UTCTime
 (: "9006190900-0900 1990 6 19 9)
 2.
 3.
 4. 가 가
 a. (, ,)
 b. IPM
 c. (,)
 :
 . (IP ID ,
 IPM IPM .)

2.3.40 / -218
 : /
 : (Subject Indication) IPM
 : 1. 1 X.400
 " " IPM
 (T61): "%&'()*+,-/ 0123456789 ;<=>?
 ABCDEFGHIJ KLMNOPQRSTUVWXYZ
 abcdefghijklmnopqr stuvwxyz
 2.
 3. “ ”
 :

2.3.41 / -219(SR-219)
 : /
 :
 : 1. 1 X.400 “
 ”
 IA5, NationallyDefined
 2.

3. “ ”

: 가

< 1> 가 가

< 2> 가 (1.0) IA5
2.0 NationallyDefined
(1.0)
가

가

2.3.42 / -220(SR-220)

: /

:

: 1. 1 X.400

IA5, NationallyDefined

2.

3.

: 가

< 1> 가 가

< 2> 가 (1.0) IA5
2.0 NationallyDefined
(1.0)
가

가

2.4 / - MTA

MTA가
MTA가
가

2.4.1 / -301(SR-301)
: /
: (Deferred Delivery)
: 1.
UTC
"9904180900-0900" : 1999 4 18 9) UTC
30
2.
:

2.4.2 / -302-가(SR-301-A)
: /
: (Disclosure of Other Recipients)
-
: 1. 2
2.
3.
:
가

2.4.3 / -302- (SR-301-B)
: /
:
-
: 1. 2
2.
3.

: 가

2.4.4 / -303(SR-303)

: /

: (Return of Contents)

: 1.

2.

:

2.4.5 / -304(SR-304)

: /

: (Implicit Conversion)

: 1.

MTA
(EncodedInformationType) . (: UA IA5
가 MTA ,
ISO6937).

2.

3. 가

:

2.4.6 / -305(SR-305)

: /

: (Conversion Prohibition)

: 1.

MTA . (: UA IA5
가 MTA , ISO6937).

2.

: ()

2.4.7 / -306-가(SR-306-A)

: /

: (Grade of Delivery Selection)
()

: 1.

2.

3.

:

< >

, MTA가

가

2.4.8 / -306- (SR-306-B)

: /

:

()

: 1.

2.

3.

:

< >:

, MTA가

가

2.4.9 / -306- (SR-306-C)

: /

:

()

: 1.

2.

3.

:

< >: 가
 , MTA가

2.4.10 / -307-가(SR-307-A)

: /

: (Probe)

: 1.

:

2.4.11 / -307- (SR-307-B)

: /

:

: 1.

: ()

: (가 OR)

2.4.12 / -307- (SR-307-C)

: /

:

-

: 1.

: (: UA MTA IA5Text

, GBFax .)

: (

)

2.4.13 / -308-가(SR-308-A)

: /

: / (Alternate Recipient Allowed/Alternate Recipient Assignment)

: 1.

2. OR MTA

MTA

- 3.
- 4.

:

가

가

2.4.14 / -308- (SR-308-B)

: /

: /

()

: 1. MTA

2. OR MTA

3.

: (OR)

2.4.15 / -308- (SR-308-C)

: /

: /

()

: 1. MTA (Alternate Recipient)

2. OR MTA

3.

: (OR)

2.4.16 / -309(SR-309)

: /

: (Multi-Destination Delivery)

: 1. 2 2 (Local)

2. .
:
.

2.4.17 / -310(SR-310)
: /
:
-
: 1. 1 1
.
2.
: 2
.

2.4.18 / -311-가(SR-311-A)
: /
:
-
: 1. 1 .
()
2.
:
.

2.4.19 / -311- (SR-311-B)
: /
:
-
: 1. 2 .
()
2.
: 2
.

2.4.20 / -311- (SR-311-C)
: /
:
-

: 1. 1 1
 . ()
 2. .
 : 2
 .

2.4.21 / -312-가(SR-312-A)

: /
 :
 - /
 : 1. 1 1
 . ()
 2. .
 :
 .

2.4.21 / -312- (SR-312-B)

: /
 :
 - /
 : 1. 1 1 ()
 1 1 ()
 .
 2. .
 :
 .

2.5 (Limitation Tests)

(: ENV ENV, NIST)

2.5.1 -001(LT-001)

:
: OR
: 1. MS OR
(1.0)

가	3
ADMD	16
PRMD	16
	64
	64
	32 - 4
	8
	128
	40
	16
	5

2. MA OR

3.

4.

:

2.5.2 -002(LT-002)

:
: (Body)
: 1.
(: 2 megabytes)
2.

body

3.

4.

:

2.5.3 -003(LT-003)

:

:

: 1.

(: 100)

2.

:

2.5.4 -004(LT-004)

:

:

: 1.

가

2.

3.

:

가

2.6 (Relay Tests)

MTA MTA 3 MTA
 < > MTA(cooperator MTA) 3 MTA(PRMD or ADMD)
 , MTA MTA

2.6.1 -001-가(RL-001-A)

:
 : ADMD/PRMD -
 : 1. MTA
 MTA
 2. MTA ADMD
 3. 2 (MTA: 1 ,ADMD: 1)
 4.
 :

2.6.2 -001- (RL-001-B)

:
 : ADMD/PRMD -
 : 1. MTA
 MTA
 2. MTA ADMD
 3. 2 (MTA: 1 ,ADMD: 1)
 4.
 : (OR
)

2.6.3 -002-가(RL-002-A)

:
 : (PRMD-PRMD)
 - OR ,

- : 1. MTA 3 MTA .
- 2. MTA 3 MTA
- MTA .
- 3. 3 MTA
- 4. .
- 5. 3 .
- :

2.6.4 -002- (RL-002-B)

- :
- :
- (PRMD-PRMD)
- OR ,
- : 1. MTA 3 MTA .
- 2 MTA 3 MTA
- MTA .
- 3. 3 MTA 2
- 4. .
- 5. 3 .
- :

2.6.5 -003-가(RL-003-A)

- :
- :
- (PRMD-PRMD) - OR , ,
- : 1. MTA 3 MTA .
- 2 MTA 3 MTA
- MTA .
- 3. 3 MTA
- 4. .
- :

2.6.6 -003- (RL-003-B)

- :

1
:
(PRMD-PRMD) - CR , ,

: 1. MA 3 MA .
2 MA 3 MA
MA
3. 3 MA 2
.
4. .
:

2.6.7 -004-가(RL-004-A)

:
:
(PRMD-PRMD)
: 1. MA 3 MA .
2 MA 3 MA
MA
3. 3 MA
.
4. .
: (CR)

2.6.8 -004- (RL-004-B)

:
:
(PRMD-PRMD)
: 1. MA 3 MA .
2 MA 3 MA
MA
3. 3 MA 2
.
4. .
: (CR)

2.6.9 -005(RL-005)

:

: (PRMD-PRMD)
 (PRMD)
 : 1. MTA 3 MTA
 2. MTA 3 MTA
 MTA
 3. 3 MTA 2
 1 , 1 PRMD
 4.
 : (PRMD)

2.6.10 -006-가(RL-006-A)

:
 : (PRMD-PRMD)
 : 1. MTA 3 MTA
 2. MTA 3 MTA
 MTA
 3. 3 MTA 1
 4.
 -
 5. 3 MTA 가
 :

2.6.11 -006- (RL-006-B)

:
 : (PRMD-PRMD)
 : 1. MTA 3 MTA
 2. MTA 3 MTA
 MTA
 3. 3 MTA 2
 4.
 -
 5. 3 MTA 가
 :

2.6.12 -007(RL-007)

:
:
: (PRMD-PRMD)
: 1. MTA 3 MTA
2. MTA 3 MTA
MTA
3. 3 MTA 2
4.
5. 3 MTA 1 , 1
:
.

2.6.13 -008(RL-008)

:
:
: (PRMD-PRMD)
: 1. MTA 3 MTA
2. MTA 3 MTA
MTA
3. 3 MTA
4.
5. 3 MTA 가
:
.

2.6.14 -009-가(RL-009-A)

:
:
: (inter-MD loop detection) MTA
-
: 1. MTA MTA 가 MTA
MTA

2. MTA MTA .
3. MTA
4. .
- : ()

2.6.15 -009- (RL-009-B)

- : MTA
-
- : 1. MTA MTA 가 MTA
- 2 MTA MTA .
3. MTA
4. .
- : ()

2.6.16 -010-가(RL-010-A)

- : PRMD MTA
-
- : 1. MTA MTA PRMD .
2. MTA MTA 가 MTA
- 3 MTA MTA .
4. MTA
5. .
- : ()

2.6.17 -010- (RL-010-B)

- : PRMD MTA

-
- : 1. MTA PRMD .
2. MTA MTA 가 MTA
- MTA .
- 3 MTA MTA .
4. MTA
- .
- 5.
- : ()
- .

2.7 (Reliable Transfer Services Tests)

2.7.1 -001(RT-001)

: (Reliable Transfer Service)

: (Session suspension)

: 1.

2.

3. (Session) 가

:

< >

/ (Session suspension/re-start)

, (plug)

가

2.7.2 -002(RT-002)

:

: 가 2 CheckPointSize

: 1. CheckPointSizes . MA MA

CheckPointSize 2

2.

CheckPointSize 2 가

3.

:

2.7.3 -003(RT-003)

:

: (session connection)

: 1.

, CheckPointSize 2

가

2.

:

< >

가

2.7.4 -004(RT-004)
: - (Association Management)
: MTA
: 1. MTA
2.
3.
: (association)가 (due to Validation Failure),
(due to Timeout).
< >
(timeout value) (retry count)
,

2.7.5 -005(RT-005)
: - (Association Management)
: MTA
: 1. MTA
2.
3.
: (association) (due to Validation Failure),
(due to Timeout).
< >
(timeout value) (retry count)
,

2.7.6 -006(RT-006)
:
: (collision)
: 1. (5)
2.
:

2.7.7 -007(RT-007)
: - (Association Management)

```

:      MTA      MTA
: 1.      incoming OPEN      MTA
      MTA      .
2.      outgoing OPEN Association      MTA
      MTA      .
3.      .
4.      .
:      가      ,
      .

```

2.7.8 -008(RT-008)

```

:      -      (Association Management)
: MTA
- MTA      .
: 1.      incoming OPEN request      MTA
      MTA      . - MTA      .
2.      outgoing OPEN Association      MTA
      MTA      .
3.      .
4.      .
:      가      ,
      .

```

2.7.9 -009(RT-009)

```

:
: RTS
: 1.      CheckPointSize      WindowSize
      .
2.      .
3.      .
:      가      ,
      .

```

2.7.10 -010(RT-010)

```

:
: CheckPointing
: 1.      CheckPointing      .

```

- (with non-zero CheckPointSize value)
2. CheckPointing .
 3. .
 4. .
- : 가 ,
- .

가.

()

MA		20		: (), ()	M
MA		40		MA	M
Application Context		1		0: 1988 MA, 1988 RIS 1: 1988 MA, 1984 RIS 2: 1984 MA, 1984 RIS	M
가		3		가 가 , 가	M
AND		16		AND	M
PRND		16		PRND	O
PSEL(1)	10 16	16		Presentaion-Selector	O
SSEL(1)	10 16	16		Session-Selector	O
TSEL(1)	10 16	16		Transport-Selector	O
NSP	16	32		NSP X 121	M
		1		0:CLNS, 1:CONS, 2:TCP/IP (: 1)	M

		1		0: (0) 1: (2) (: 0) 2: (4)	O
QS		4	-- --	가 가MA (,) (: 36)	O
QS		4	-- --	가 가MA (,) (: 24)	O
QS		4	-- --	가 가MA (,) (: 4)	O
		4		MA가 (Mytes)	O
RIS Mde		1		0: Nrnal Mde 1: X410 1984 Mde	O
Dialogue Mde		1		0: Minologue Mde 1: Two-way-alternate Mde	M
Initial Turn		1		0: 가Turn 가 1: 가Turn 가	O
Call		1		0: MA 1: MA 2:	O
		4		50KB , ,	O

Checkpoint Size		2		MA (Application Protocol Data Unit) MA Data , IB	O
Window Size		1		MA MA (Application Protocol Data Unit) , Checkpoint Size	O
ID		1		0: (Encoding) . 1: . (: 1)	O
		1		1: 1 2: 2 (: 1)	O
		4		MA	O
		2		MA	O
	/	30			M
	/	30			M
		20			M

FAX		20		FAX	M
	/	100			M
	/	30			M
Help Desk	X400 OR			Help Desk X400 ID (), ()	O
Auto Answer	X400 OR			Auto Answer X400 ID (), ()	O

[] 1. PSEL(Presentation Selector), SSEL(Session Selector), TSEL(Transport Selector)
10 (Decimal), 16 (Hexa),

2. M(Mandatory) , O(Optional)

()

X.400

1) IPM

1. IPM

- 1

IPM

SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1	2A	2B	2C	3A	3B	3C	4A	4B	4C	4D	5A	5B	6A	6B	7A	7B	8A	8B	9	

: :
u

2. IPM - 2

IPM

SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1	2A	2B	2C	3A	3B	3C	4A	4B	4C	4D	5A	5B	6A	6B	7A	7B	8A	8B	9		

IP

: :
u

IPM

SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1	2A	2B	2C	3A	3B	3C	4A	4B	4C	4D	5A	5B	6A	6B	7A	7B	8A	8B	9		

IP

: :
u

4. IPM

- 4

IPM

SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1	2A	2B	2C	3A	3B	3C	4A	4B	4C	4D	5A	5B	6A	6B	7A	7B	8A	8B	9			

IP

: :
u

IPM

SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1	2A	2B	2C	3A	3B	3C	4A	4B	4C	4D	5A	5B	6A	6B	7A	7B	8A	8B	9		

: :
u

6. IPM - 6

IPM

SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1	2A	2B	2C	3A	3B	3C	4A	4B	4C	4D	5A	5B	6A	6B	7A	7B	8A	8B	9			

IP

: :
u

3.2 M

6. M

-1

IPM

SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
0	2A	2B	3	4	5	6A	6B	6C	7A	7B	7C	8A	8B	8C	9	

: :
u

7. M -2

IPM

SR SR SR SR SR SR SR SR SR SR SR SR SR SR SR SR SR
30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30
0 2A 2B 3 4 5 6A 6B 6C 7A 7B 7C 8A 8B 8C 9

: :
u

IPM

SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
0	2A	2B	3	4	5	6A	6B	6C	7A	7B	7C	8A	8B	8C	9	

: :
u

•

(가)

(V1.0)

‘ ’ , 가 ‘ ’

.

가

'M' ' , 'O' ' .

5.

SR-001	M		
SR-002	M		
SR-003	M		
SR-004	O		
SR-005	M		
SR-101	M		
SR-102	M		
SR-103-A	M		
SR-103-B	O		
SR-104-A	M		
SR-104-B	O		
SR-104-C	O		
SR-105-A	O		

SR- 105- B	O		
SR- 106	M		
SR- 107- A	M		
SR- 107- B	O		
SR- 107- C	O		
SR- 107- D	M		
SR- 108	O		
SR- 109- A	O		
SR- 109- B	O		
SR- 110	M		
SR- 201	M		
SR- 202- A	M		
SR- 202- B	M		
SR- 202- C	O		

SR-203-A	O		
SR-203-B	O		
SR-203-C	O		
SR-204-A	O		
SR-204-B	M		
SR-204-C	O		
SR-204-D	O		
SR-204-E	O		
SR-205-A	M		
SR-205-B	O		
SR-206-A	O		
SR-206-B	O		
SR-207-A	O		
SR-207-B	O		

SR-208-A	O		
SR-208-B	O		
SR-209	O		
SR-210-A	O		
SR-210-B	O		
SR-210-C	O		
SR-211-A	O		
SR-211-B	O		
SR-211-C	O		
SR-211-D	O		
SR-212-A	O		
SR-212-B	O		
SR-212-C	O		
SR-213	O		

SR-214-A	M		
SR-214-B	M		
SR-215-A	M		
SR-215-B	M		
SR-216-A	M		
SR-216-B	M		
SR-217	O		
SR-218	M		
SR-219	M		
SR-220	M		
SR-301	M		
SR-302-A	O		
SR-302-B	O		
SR-303	O		

SR- 304	O		
SR- 305	M		
SR- 306- A	M		
SR- 306- B	M		
SR- 306- C	M		
SR- 307- A	O		
SR- 307- B	O		
SR- 307- C	O		
SR- 308- A	O		
SR- 308- B	O		
SR- 308- C	O		
SR- 309	M		
SR- 310	M		
SR- 311- A	M		

SR-311-B	M		
SR-311-C	M		
SR-312-A	M		
SR-312-B	M		
LM001	M		
LM002	M		
LM003	O		
LM004	M		
RL-001-A	M		
RL-001-B	M		
RL-002-A	O		
RL-002-B	O		
RL-003-A	M		
RL-003-B	O		

RL-004-A	M		
RL-004-B	O		
RL-005	M		
RL-006-A	O		
RL-006-B	O		
RL-007	O		
RL-008	O		
RL-009-A	M		
RL-009-B	O		
RL-010-A	M		
RL-010-B	O		
RT-001	O		
RT-002	M		
RT-003	O		

RT-004	M		
RT-005	M		
RT-006	O		
RT-007	O		
RT-008	O		
RT-009	O		
RT-010	O		