

기술표준

The Monthly Technology and Standards

05

FOCUS

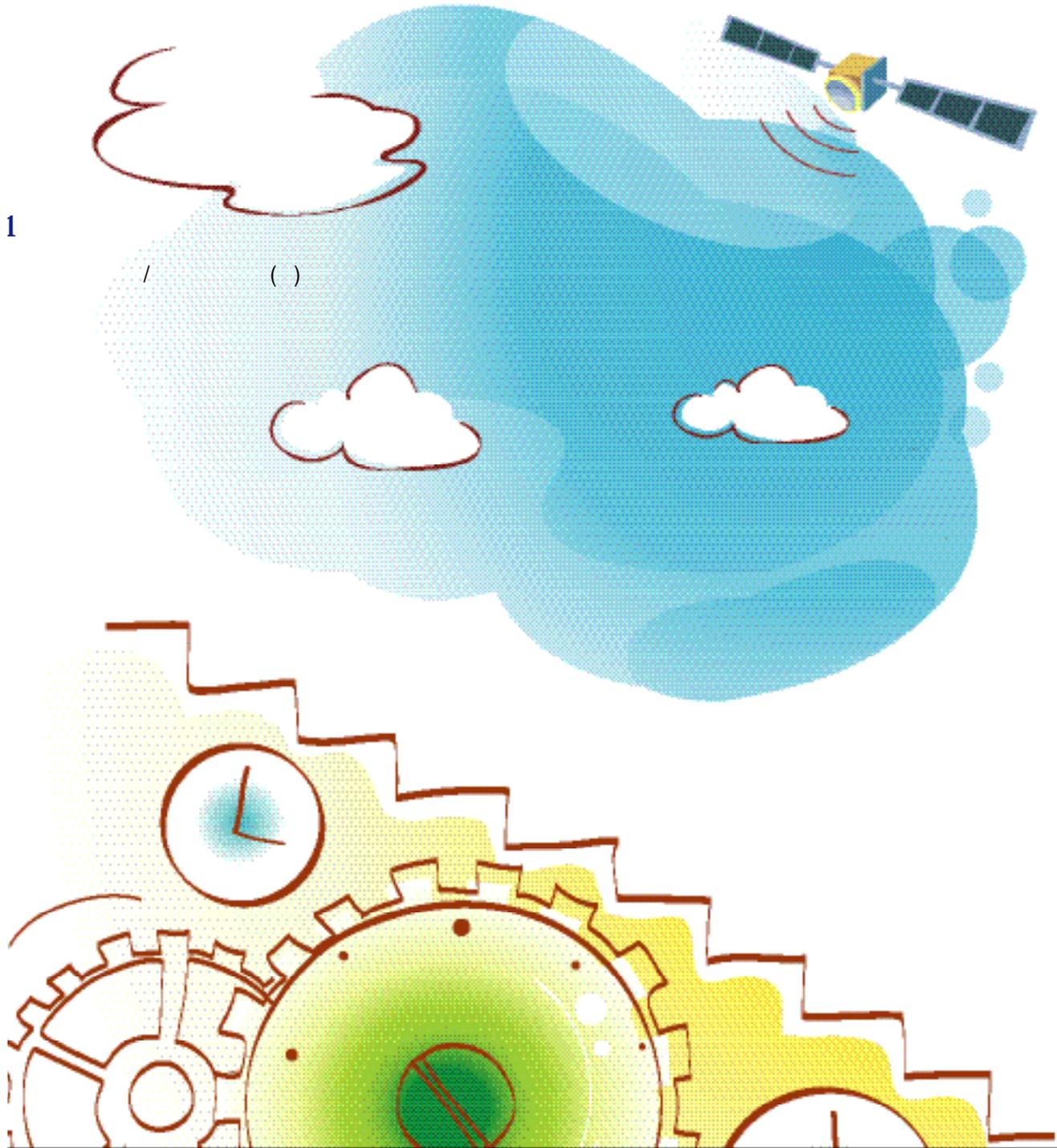


산업자원부 기술표준원
Korean Agency for Technology & Standards

<http://www.kats.go.kr>

1

/ ()



02

IT 가
KS 200

RFID (ISO)

RFID 가

11

/ ()

13

/ /

23

- /
ISO /
/

32 FOCUS

I

55

JTC/SC25/WG1 /
ISO/TC 232 ISO/PC 233 /
APLAC MRA /
ISO /

85

() ACT

87

ISO 9001:2000() /

90

95

/ /
/ /
/ /

106

KS

가

116

, NEP

121

KS
ISO, IEC
WTO / TBT





가	가	가 (KS)
330	20	52
500		500
가		가 5,500

)

- : 52 488 , :
- 426 5,011
- : 44%,
- 29%, 21%, 6%

3

가 (KS)

가 , (ISO,IEC)

가 가

가 ,

가



KS 200

‘06
KS 1,989 2005 91.4%
가
07.4 ‘06 KS
KS
(‘06 22,058) 95.1%
20,978 1 90.1

‘ Best 10 ’

가 KS
10,395 (‘
: KSB 0801)

(KSF 4009) 3 (7,651)

가 16 (325
) (256) (209)
KS , , , 16

KS 61.0%,

10.8%

9.4% KS 가

가

KS

가 (www.standard.go.kr)
‘03.6

2

‘ KS
‘06.1 ; ‘06.8

KS

200

‘03
259 , ‘04 578 , ‘05 1,039

‘04~‘06 28.0% 가
1~2 가
KS



MOU
가
5 1 3
3 가

(MASM)
가
가 KS ISO9001/14000

가

가

“

” 가

가

”



(GMP)”

「
』 ‘05 5
CGMP EU-GMP
GMP

GMP(Good Manufacturing Practice)

(1 2) (2 8
) 40% ‘(05),
(2015 2,000 \$) 10%
200 \$, 5

FDA
(Efficacy), (Safety) (Stability)
CGMP
가

GMP

가

“

”

CGMP
가
1, 28
GMP
250
4 23 () CGMP
(www.cgmp.or.kr)
가 28 72
가 “ (GMP)”



RFID (ISO)

(ISO) (mRFID) RFID

(USN)
ISO (JTC1/SC6)
가
(OID) , , , ,
4 20
'RFID (RFID)
(OID)" 가 (RFID)
가 (RFID)
가
가

SKT KTF
RFID
(WTO)
ISO ITU가
2010 7

"IT"
(Taker)
(Maker)
가

JTC1/SC6 가
(mRFID)



가 가 ' 가 ' 5

5 가 가

28 20

가 11 가가

17 가

CCA(- -)

A 40

가

5



(NEP

: New Excellent Product)



NEP

가

가

가

17 '07 1/4
 . (94 , 18%)

'07 3 (3) NEP :
 611

51

가

- CCD
 500 /s 1000~1200 /s

“

”

- 100m

“ ”

5

가

18



※ KPS : Korea Products Safety



가

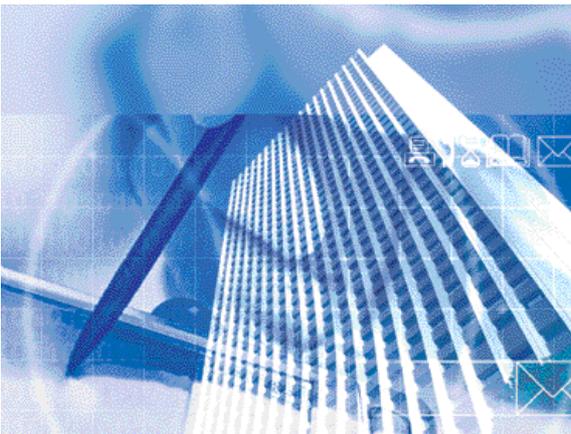
2

“

”

“ ”

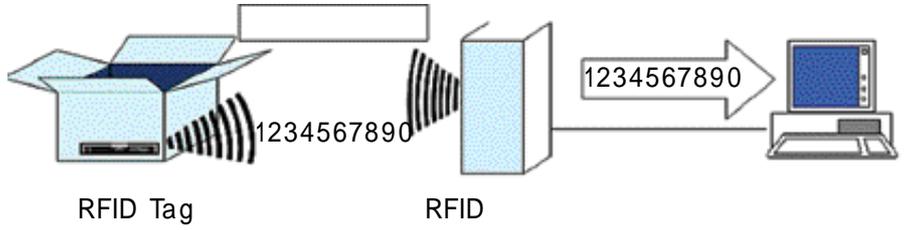
- LCD 가 CCD 1.0
1.6 가 , 4.4um 7um
LCD
“ LCD ”
- USB
“ (Hidden Area)”
20%
가
가



RFID 가

. RFID ,
RFID . RFID
RFID
RFID 가 ,
RFID , RFID
RFID 가
27 , . RFID
가 .
RFID , ISO
KS
EPC()
RFID
RFID , 08
RFID 가 60
KS16 가 , RFID 가
43
RFID 가 : '05 14 '06 13 '07
16 '08 17
RFID , 가 43

(RFID:Radio Frequency IDentification)



<p>가 , . ,</p> <p>가 RFID</p> <p>가</p> <p>가 : RFID</p> <p>가 , ,</p> <p>가 ,</p> <p>가</p>	<p>18 ()</p> <p>가가 가 “ RFID</p> <p>”</p> <p>RFID</p>	<p>250</p> <p>KS</p> <p>가 16</p> <p>가</p> <p>가</p> <p>2007. 5</p>
--	---	---





()

가 .

02)2112-9114



‘ (效噸) ’

‘ (傾國之色) ’

‘ , ’ ‘ . ’
‘ , ’ .
가

4 가
가
()
가

(越) (西施)
가 . 가
‘ , ’

가



(東施)가

가

가 (效嘖)'

(效)'

(嘖)'

가

가

'2'

가

. 1980

VTR

VHS

가

가

가

VHS

가

가

가

가

가

(135cm)

6

가

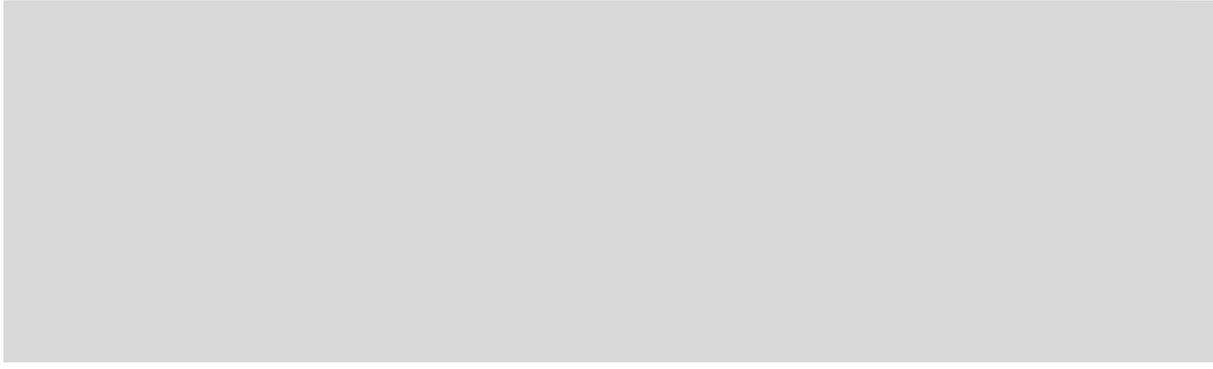
가

가

|

가

2007. 5



1.

가



가

031-4968-311/ jylee@kpu.ac.kr

가 ?

가

가

2.

가

가

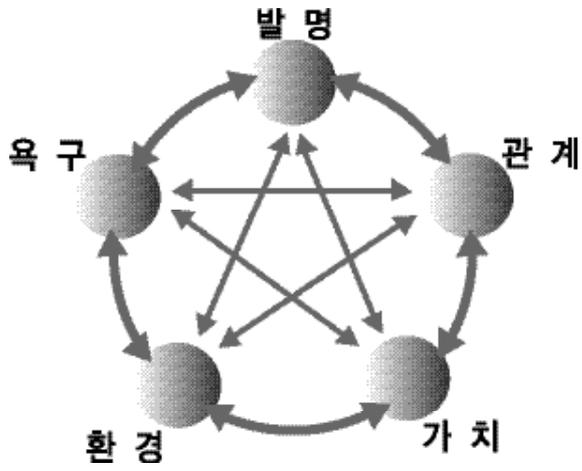
가

가

?

6

2~3



< 1-1 >

가

1) : Ruttan(2001)

(guide post) 19c Kemp(1977)
 (technological regime) (pivot) 가 1850 Maywell
 Adams(1995)



가

()

가

(Soviotti Metcalf, 1984).

Schmookler(1962) 가 가

가 가

2) :

가

가 Metcalfe Boden(1991)

가

Utterback(1979) 가 가

가

가

가

3) :

Walsh(1984)

가 가

가 (

)

Porter(1990)

가

4) :

Youngs(1996)

가
가

Allen(1997)

(synthesis)

가

Porter(1990)

Porter(1990)

가

(
)

가

(

),

가

Ruttan(2001)



가

가

. Bush(1989) 가

가

가

Porter(1990) James(1994)

(cost-benefit) 가

가

(advanced factor) , 가

(,) , 가

Hill(1979) 가

가

가

가

Mayhew(1980) 가

가

가

5) 가 : 가

가

Robbins(2004) 가 가

(terminal value) 가 (instrumental value)

가

(desirable end-states of existence) 가



가 . Hayden(1933)

가 (pervasiveness)

(technology advantage)

가

가 .

가

가

Concordance Process

, , , ,

Concordance Process

Concordance Process

가 .

,

| 2007. 5





. WG8

HMI 가
2가

(ISO 15008)

2003

, TICS

가

(ISO 15005)

(ISO 15006)

HMI

가

(ISO16951)

ISO

HMI

, TF

가

가

가

SC13

TF

| 2007. 5





ISO



02-509-7295
angelkoo@mocie.go.kr

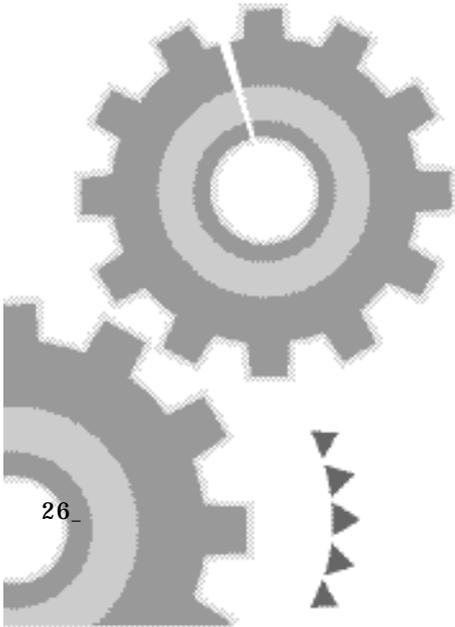
(ECU) 가가 , , ISO

“ ”

20-50 25 가 , 100 가

, 가 ECU 80 % ()

“ ” 2002 35% 가 25% 2010





AMIC (ISO 22902), TC22/SC 3
FlexRay Autosar FlexRay, TC204/WG 4(), WG
14() WG 16(,
TC22/SC 3)
(EMC), , .
가ISO
EMC ,
"ISO Inside"

ISO/TC 204

| 2007. 5

TC 204



ISO/TC 204/WG 3

Masao Shibata가



:

ITS()

, ITS
가

ITS

가

가

02-509-7244

yykang@mocie.go.kr

1993 ISO/TC 204

CD-ROM

WG 3

(ISO 14825)

(ISO 14826)

(NP 17572)

2006

GDF()

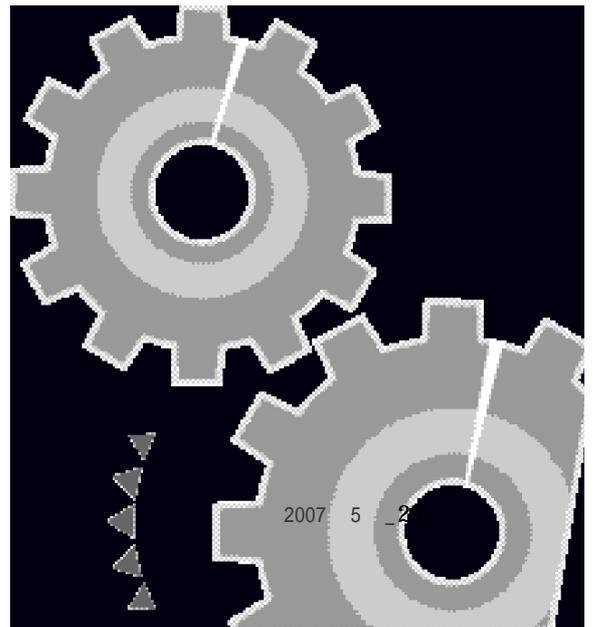
2003

(CEN GDF 3.0)

2004

, GDF 4.0

WG 3





600

CD-ROM

. WG 3

GDF 4.0

2005

. WG 3

. GDF ITS

API()

가

. API

(PWI) 2003 10

GDF 4.0

, NP

. CEN GDF 3.0

가

10

2005 4

GDF 4.0

, WG 3

.(NP 20452)

가

. ISO/TC 211()

TICS

XGDF(

)

, 2004 NP

1995

, VICS(

2007

WG 3

)

RDS/TMC(

/

)



, pre-coded

가

WG 3

ID

3

2006

WG POI() 가

XGDF

ITS

가

가

| 2007. 5



REACH

○

[1]



|

- :
- “ KNOW TBT ”
- :
- : RoHS, REACH, EuP, ELV (), ,
- / : 07.04.16.()~17.() 14:00~18:00, COEX

()

	14:00 ~ 14:10		
	14:10 ~ 14:30	-	-
1 (4.16.月)	14:30 ~ 16:10	- RoHS -	가
	16:10 ~ 16:30	Coffee break	
	16:30 ~ 18:00	- WEEE & EuP -	
	14:00 ~ 16:00	- REACH -	EU 가
2 (4.17.火)	16:00 ~ 16:20	Coffee break	
	16:20 ~ 18:00	- REACH & ELV -	

항

< >

o 1 : 07.04.16.(月) 14:00~18:00, COEX 104~105

13:00~14:00	o
14:00~14:10	o ()
14:10~14:30	o ()
14:30~14:50	o EU, RoHS ()
14:50~15:30	o China RoHS ((MII) Dr. Vicky Lu)
15:30~16:10	o RoHS , ()
16:10~16:30	Coffee break
16:30~17:10	o Global WEEE ()
17:10~18:00	o EuP ()

o 2 : 07.04.17.(火) 14:00~18:00, COEX 203

13:00~14:00	o
14:00~14:40	o 2007 4 , REACH ()
14:40~15:20	o REACH ()
15:20~16:00	o 對EU REACH (TO21)
16:00~16:20	Coffee break
16:20~17:00	o LG : REACH (LG)
17:00~17:30	o REACH positioning ()
17:30~18:00	o ()

휴 가

휴 (07.4.17. 18:00 ~ 20:00)

[2]

WEEE(Waste Electrical and Electronic Equipment,)

o : Directive 2002/96/EC

o / : 03. 2. 13/ .

o

-

. ()

. ,

.

-

. , ()

(' 05.8.13)

. {07.1.1 }

		Recovery	Recycle/Reuse
가 ,	, ,	80%	75%
IT. , 가	, , TV, ,	75%	65%
가 , ,	, ' , , ,	70%	50%
가 ()	-	-	80%

o

- EU

Recycling Scheme

가

-

3~5

o

- ' 08. 12. 31

RoHS(Restricting the use of Hazardous Substances,)

o : Directive 2002/95/EC

o / : 06. 7. 1/

o

- :

-

· WEEE ()
 . 가 , , 가 , (),

-
 . , , , 6가 , PBB, PBDE

	, 6가 , PBB, PBDE	
	0.1%	0.01%

o
 - 가 , ,
 가

o
 - 가 RoHS 가
 .

ELV(End of Life Vehicles,)

o : Directive 2000/53/EC

o / : 00. 10. 21/ ,

o

-

.

.

-

· [] '02 7 , 07 7

· [/]

	2006. 1	2015. 1
(Recycling)	80%	85%
(Recovery)	85%	95%

· [] 6
 · [] , ,6가 , (03. 7. 1)

o
 - 「 」
 · EU
 o
 - / 가 가
 .

REACH(Regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals,)

o :07 (Regulation)
 (Regulation) (Directive)
 EU

o / : 07.6./
 o
 - 가 EU
 -
 · []1 ,
 100
 · [] / , 가

1,000 /	3
100~1,000 /	6
1~100 /	11

0
 - EU , , 가 가
 0
 -

EuP(Ecodesign Requirement for Energy-using Products,)

o : Directive 2005/32/EC
 o / '05. 8. 11/ (,)
 0
 -
 . 가 가
 . 가 가
 -
 · []
 · [] EU
 : , , / , ,
 · [] EU CE
 EU EU

0
 - EU EuP
 IEC/TC111/WG2
 0
 - EU '07. 7. 6
 - EU '07. 8. 11

J-Moss(The Marking of Presence of the Specific chemical Substances for electrical and electronic equipment)

- : (1991, 48) JIS C 0950(5. 12. 20)
- / : 06. 7. 1/ .
-
-
- .
- .
-
- RoHS (, , , 6가 , PBB, PBDE)
(R)
- Web
- : (100 ppm), (1,000 ppm)
- (G) 가 가
-
- JIS C 0950 (06. 7. 1)
-
-
- RoHS 6 가
- IEC/TC111 . JIS C 0950
- RoHS()
- : ' 06(2. 28)
- / : 07. 3. 1/ .
-
-
- .
- (EU RoHS)

- []
- (,)
- [] RoHS 6 + ' 가가 ()
- []
- [] EU RoHS ,
- [] EU RoHS

- o
- 3
- 1
- .
- o
- RoHS
- RoHS EU RoHS 가 가

| 2007. 5



02-509-7238~40

4 19 10
「
」
○
「
」 2006 ○ ()가
2
「
」
「
」
○
가
3 39 2016
○
가
○
「(가) 가」
○
「
」
가

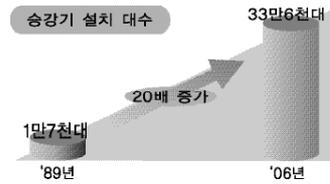
‘80 가 , 가
 : 1991.12.31 (9)

()

몸 : (89) 1 7 (06) 33 6

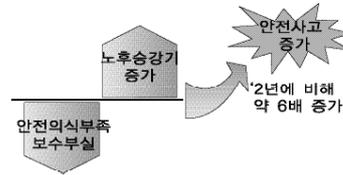
()

몸 () : 50~80%



()

몸 : ('02) 16 (03) 40 (04) 25 ('05) 42 ('06) 90



() 『

('06.2)』

몸 , , , , 15
 몸 () (06.9) (07.3)

2.

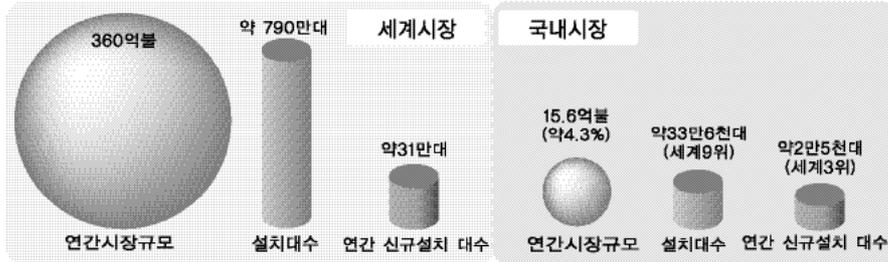
몸 7~8%(2 5) (: 3) 3~4%(31)

() , ,

가

몸 , . 1 ()
 몸 , ,

() 360 (790) , 15.6 (33 6)
) 9



() (OTIS), 5 269 274 가
 ' 06 84.3% 5

() . ,

() .
 ' 50%가 , ,

3.

「 」 , , ,
 ' , 1 .
 ' (가)

() , .
 ' , .

() 가 ,

표준 (,)

() (KS) (JIS)

표준 (,) ,
()

() (ASME A17.1) , (EN81/115)

표준 가 80%가 (EN) .

4.

표준 , 가
가 .

() .
표준 85%

() (59.8%) (24.5%) (15.7%)

()
표준 ' 02- '06 : (52.6%), (18.3%) 가 71%

(.) . .

표준 : (95 ,) 235 (06) 722

() 가 15 가 가

가 : (07) 41,820 (08) 6 (10) 9

()
: (“ ”)

: 24

5. ,

10 50% 800% 가
1 : (06) 2.7 (16) 1.3
: (06) 1.6 (16) 15
: 3 , 39 3 ' 08 ' 10 ' 16)

6.

1

○ '07

○ .

○ .

○ ()



○ ^身 . . .
 ○ ^身 . . .
 ○

2

○ . . . ^身 . . .

○ , . . .
 ○ . . . , . . .

○ . . .

○ ^身
 ○
 ○ ^身 15
 ○ ,

○ (FM)

○ ,
 ○ ^身 . . .

3

○ ,
 ○ ^身 . . . ,

○

§

7.

○ . , , (4~5)

「 」 (07.9)

○

§

○

§

○

[]

	()									
	07	08	09	10	11	12	13	14	15	16
1-1.	■									
1-2.	■									
1-3.		■								
1-4.	■									
1-5.			■							
1-6.		■								
1-7.		■								
1-8.		■								
1-9.					■					
2-1.										
2-1-1.	■									
2-1-2.	■									



	()									
	07	08	09	10	11	12	13	14	15	16
2-1-3.	████████████████████									
2-1-4.	██████████████									
2-1-5.	██████████████									
2-1-6.	██████████████									
2-1-7.	████████████████████									
2-1-8.				██						
2-1-9.					██					
2-2.										
2-2-1.	████████████████████									
2-2-2.	██████████████									
2-2-3.		██████████████								
2-2-4.	████████████████████									
2-2-5.	████████████████████									
2-2-6.			██							
2-3.										
2-3-1.	██████████									
2-3-2.	██████████									
2-3-3.		██████████								
2-3-4. (FM)	████████████████████									
2-3-5.	████████████████████									
2-3-6.		██████████████								
2-3-7.			██████████							
3-1.	██████████									
3-2. ^F	██████████									
3-3.	██████████									
3-4.	██████████									
3-5.	████████████████████									
3-6.		██████████								
3-7.	████████████████████									
3-8.	██████████									

02-509-7252

가

가

1

(KPS)

3

가, 5



☞ KPS : Korea Products Safety

, 5

40

5

(

11

21

11

8

, 가

14

65

가



5
 ,
 .
 , 24
 5
 100 가
 ,
 “
 .
 ” “ , 가
 , 가

” .

< >

< >

1. 「 」

: 2007. 4. 24() 14:30

:

: 100

50

· , · 50

<1 >

-
 -

< 2 >

-
- (,)

2. ' 07 (65)

			.		
1					가
2					가
3				가	
4	.				
5	가			가	
6			()		
7					가
8					가
9		()			
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					

몸 가

3.

		()	()
	2004	2,285	2,564
	2005	2,792(22%)	2,544(0)
	2006	3,259(17%)	2,688(6%)
	2004	998	907
	2005	1261(26%)	886(- 2%)
	2006	1,578(25%)	1,095(23%)
	2004	4,166	5,490
	2005	4,390(5)	6,506(18%)
	2006	4,661(6%)	8,269(27%)
	2004	6,451	8,054
	2005	7,182(11%)	9,050(12%)
	2006	7,920(10%)1	0,957(21%)

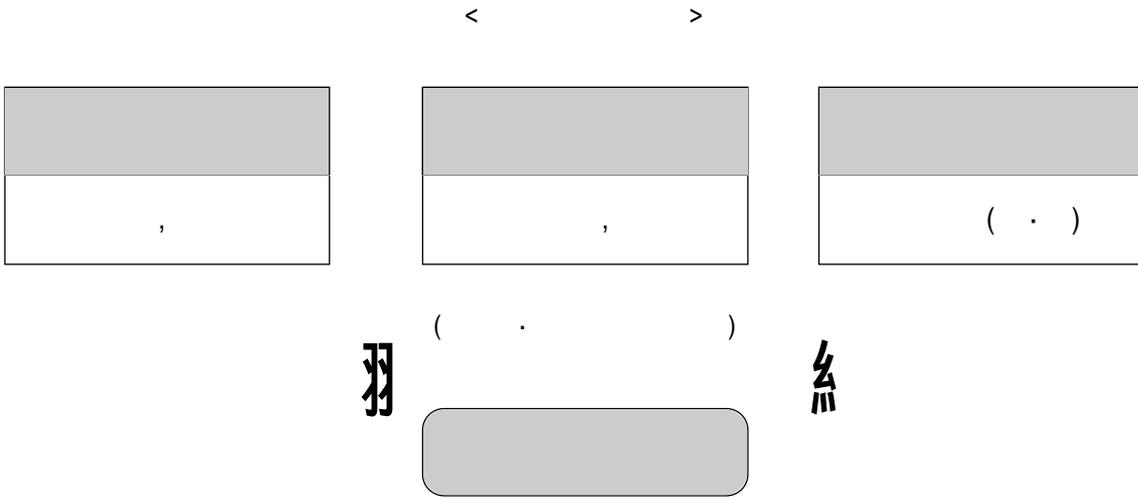
() 가 , 가

4.

명 : 30 ()

가 .

「 」 ,



| 2007.5



JTC/SC25/WG1



I.

1.

02-509-7262 / jsbae@mocie.go.kr

o JTC1/SC25/WG1() (home)

JTC1 SC25()
(HES), 가

o 가 (WiBEEM)
(UMB)
'07 18 가

o (IT) () (WiBEEM) : ()
(UMB) :
(ETRI)
가가

2. : 2007. 3. 24() ~ 4. 1()
(9)

o 가 (CMP) 3 (CD)
(CMP) : SK ,

3. : ()

4.

o 6

			HoD ()
			가
	SK		가
			가
			가

5.

03 24	13:55		
03 24	18:40		KE901
03 25	10:00 ~ 15:00		TGV
03 26	08:30 ~ 19:00	WG1	
03 27	08:30 ~ 22:00	WG1	
03 28	08:30 ~ 19:00	WG1	Social Event
03 29	08:30 ~ 19:00	WG1	
03 30	08:30 ~ 17:00	WG1	
03 31	10:00 ~ 15:00		TGV
03 31	21:00		
04 01	14:45		KE902

II. JTC1/SC25/WG1()
가

1.
2006 17 JTC1/SC25()
() (Resolutions)

o : Chaateau Domaine ()
o : 2007. 3. 26 ~ 3. 30(5)
o : 11 30

No.	가	가 ()	
1	BELGIUM	1	
2	CHINA	5	
3	FRANCE	5	
4	GERMANY	2	
5	ITALY	1	
6	JAPAN	2	
7	NETHERLANDS	1	
8	REPUBLIC OF KOREA	6	
9	SWEDEN	1	
10	UNITED KINGDOM	1	
11	U.S.A	5	
		30	

2. WG1

가. 가 : 11 , 30

. JTC1/SC25 44
WG1 (Resdution)

. 45 WG1
(Agenda)

o (Liaison)
- IEC TC100 (/)
o (WiBEEM)
(UMB)
(NP) ()
o ()
o (HES)
o (HES) (Gateway) CD



(Profile)

o (HES) CD

o IGRS() CD

o

UMB TR(

)

. IEC TC100(/)

- , 가

ISO/IEC18012

(IS)

TR

UMB(Universal Middleware Bridge)

o TA9

IPTV

TA9(Technical Area, TC SC)

LG

가

TC100 TA

(Sony)

(Profile)

IPTV(Internet Protocol TV)

TV

o

ITOPHOME ISO/IEC18012

NP

- ISO/IEC18012

(IBM)

UMB TR

ITOPHOME

o

가

Hair

WiBEEM NP

JTC1/SC25

IEC TC100

WiBEEM(Wireless Beacon-enable Energy Efficient Mesh Network)

JTC1/SC25

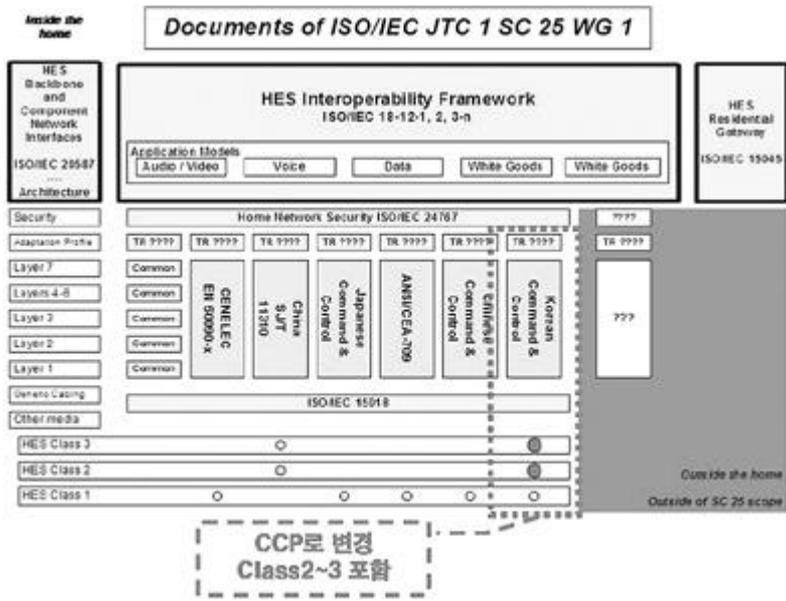
가

IEC

(Dead Zone)

가가

- (HES) (Road Map)
- (HES) (Gateway) CD
- o KONNEX(), IGRS(), ECHONET(), Lontalk(), CCP() FCD
- (CCP, Common Communication Protocol) () o ISO/IEC 15045-2 CD Half Gateway HES Link Gateway CD
- IEC TC100 '05.3 NP FCD
- CCP가 (HES) CD 2 CD(2nd CD)
- o (Profile) (interfacing) o Code Base Tag ISO/IEC18012-2 CD 2
- CD



Code Base Tag

(, /)

-CMP-AS()

-CMP-UT()

. IGRS() CD

FCD

(HES)

가

o ISO/IEC 14543-5-1 14543-

5-4 CD UPnP

SSDP

GENA

(informative)

o FCD ISO/IEC FCD 24767

JTC1/SC27()

CD FCD

-

- 가 UPnP 가

IGRS

WG1

IGRS(Intelligent Grouping and Resource Sharing)

Renovo

o :

o : 2007. 3

UPnP(Universal Plug and Play)

III.

PC & PC

1. 가

가.

NP

, , , LG

ISO PAS (07.6)

o 가

WiBEEEM NP

CD

(CMP) 3

WiBEEEM(Wireless Beacon-enable Energy Efficient Mesh Network)

o SK

3가

-CMP-RG(

가

(Dead Zone) 가가

. ECHONET IGRS가
 (Profile) UMB TR(HES WG1
) (Gateway), HES
 UMB(Universal Middleware Bridge) IGRS UPnP
 LG IBM UPnP ISO
 . (CMP) 3 가 UMB
 CD (IS) (TR)
 o SK 가 가 ISO
 -CMP-RG(가 ISO
)
 -CMP-AS()
 -CMP-UT()
) (Ubiquitous)
 KT, SK
 . (07.9.3~7) 가

2. 가

| 2007. 5

o () 'KONNEX'가
 2006 (IS) ISO

ISO/TC 232

ISO/PC 233



1.

-
- ISO/TC 232() ISO/PC 233()

02-509-7280 / yooksung@mocie.go.kr

- '07 “ KS ”

- : (DIN)
- : 2007. 3.24 ~ 4.1
- :

2.

가. ISO/TC 232() 1

- : 2007. 3.26 ~ 3.27
- : 12 34

가													
	8	7	4	3	2	2	2	2	1	1	1	1	34

- Chairman : Dr. Thomas Rau()
- Secretary : Dr. Holger Muehlbauer(DIN)

. ISO/PC 233() 1

○ : 2007. 3.29~3.30

○ : 9 15

(sector-specific)

가

school, language training, dancing

가										
	3	3	2	2	1	1	1	1	1	15

- 8

가

○ Chairman : Dr. Holger Muehlbauer

(chairman)

○ Secretary : Dr. Holger Muehlbauer(DIN)

(Ad Hoc Group)

3.

가. ISO/TC 232()

TC (scope)

○ TC :

(Learning services for non-formal education and training)

(needs) 2007.

12.31 TC

- Ad hoc group AFNOR가

- 2007. 4.30 가

○

-

-

-

16

○ : 2008. 3.31 ~ 4.1

○ : ()

. ISO/PC 233()

(scope)

WG 1()

○ WG 1 : (Learning services providers)

- : Dr. Karsten Koitz()

- : DIN

○ :

-

- (generic) ,

○ :

(Requirements and recommendations for the provision of cleaning services)

○ :

CEN

○

. Dr. Saner-Yiu
()
ISO/TC 176
가 ISO 10015

○

-

가 5.

. ISO/PC 233() 가. ISO/TC 232()

PC(Project Committee) ○ ad
○ ISO TMB() 2006. 6 PC hoc group 가

- PC 1~2 , NWIP 가 ○
가 NWIP 가

PC

3~4 TC . ISO/PC 233()

가 ○ 가
○ 9 15 , , KS
4 9 가
가 . CEN ○ 2008 PC 233

○ , , , ○ 가 가

- 가 , | 2007. 5

APLAC MRA



가

I.

: APLAC MRA (APLAC MRA Council Meeting)

02-509-7226 / mjshin@mocie.go.kr

- : 2007. 4. 18 ~ 20

- : ()

가 : 15 24 41

IANZ)

- Dr. Helen Liddy(, NATA)

II. 가

	가		KOLAS
	가		APLAC

. (APLAC, Asia Pacific Laboratory Accreditation Cooperation)

- : - Mr. Terence Chan(, HKAS)

- Dr. Helen Liddy(, NATA)

III.

07.4.18()		KOLAS
4.19()	APLAC MRA Council Meeting	가
4.20()		

• APLAC-MRA : 22 33

• : 2 3

APLAC MRA (APLAC MRA Council)

- : - Mr. Barry Ashcroft(,)

IV.

1. 가 MRA , L-A-B

1.1 L-A-B ()

○ 가 : 1 가 (9), (15), (3)가 (2007.6) 가

1.2 JAB (가)

가 , ISO 15189 1 가 (1), (3), (7)가

○ 가 , (08.6 가 가 (witnessing)가

1.3 SAC (가)

○ L-A-B MRA , APLAC MR 001 가, ISO 15189 1 가 (5), (3), (10)가 Rob Oke()

Rob Oke ○

, ISO 15189

APLAC MRA

-2011 2

가가

1.4 가

○

- 가

- KPI가 ISO/IEC 17011

○

가
MR 009(가)

2. 가

○ 가

○ 가

, 가

2.1 PNAC ()

○ 가

○ 가

1 가가 3 5~9

가

○ 가

BoM

10

○ MS-

○ APLAC MRA

2.2 PJLA ()

○ 가

1 가 (Barry Ashcroft())

○ 가

○ 12

○ 가 가

가

,
2.3 ema ()

○ A B

○ 가

가

1 가 (W W Wong())

○ , ISO 15189 가

APLAC MRA

○

가 가

○ 가가2009 6 ,
 , ISO 15189
 APLAC MRA
 가 2009 가

2.4 TLAS ()
 TLAS
 ○ 18 , ONAC
 - 12 APLAC MRA

2.5 PAO ()
 PAO
 ○ 18 , PAB
 - PAO 가가 12

2.6 NVLAP ()
 ○ 18 , ,
 가
 ○
 - 5 가
 - 가 ,

2.7 NATA ()
 가 (JoAnne Dupont())
 ○ 3 18~23 가 12

2.8 IANZ ()
 가 (Yoshinobu Uematsu())
 ○ 3 26~31 가
 12

3. KOLAS
 ○
 APLAC 2
 - KOLAS '04 가
 Chang Kwei Fern ,
 ○ , 52%('04) 63%('06)
 3
 2
 - KOLAS 가 APLAC MRA
 2 가
 ○ KOLAS 가
 (:)
 - KOLAS ,

가

가

10%(1~2

가)

- KOLAS 2006 10

2~3 , KOLAS

‘ KOLAS
, KOLAS

가 KOLAS 가

,가

가 ○

- KOLAS , KOLAS

- KOLAS

Panel

가 IT Chang Kwei Fern
KOLAS

- 2006

가 (,

KOLAS 가)

가 ISO/IEC 17011 17025

/

가 가

○

- 가

○

- 9 가 가

- KOLAS , KOLAS , 가 ,

가 ,

- 4. 가 가

- , KOLAS 4.1 가

,

가 , 가 , 가 가 - 가
PAC

○ APLAC 가 ,
가 , 가
가
APLAC 가 120 ,
가

5. 가
5.1 2007~2008 가

4.2 가
가
○ , 가 ,
가
- 가

○ Chang Kwei Fern 2008 6
KAN 가
○ 2008 KOLAS 가 WW
Wong()

5.2 AAC Analitica
AAC Analitica(
○ 가 가 ISO/IEC)
17025 ,
○ 2007 5 CAEAL() Ned
Gravel 가 2 가
가

4.3 가
6. APLAC MRA 가

○ 가 APLAC 6.1 ISO 15189() 가
MR004(APLAC 가 -)
ILAC/IAF A2(MRA-
가)
○ 2.2.1 2.2.2
-2.2.1 : 가
가 (3)
-2.2.2 :
ISO 15189 MRA
○ 2006 5 가 , ISO
15189 MRA
MRA
- 04. 4. 18()
- : HKAS(), JAB(), SM(
) , IANZ(), TAF(), DMSc()

6.2

MRA

가 가

가

가

MR 001 12 , E 가

APLAC MRA

가

- IAF/ILAC A2:2006 ()

○ ILAC

(:)

· IAF/ILAC A2(

Terence Chan())

가)가

-

가 , IAF/ILAC A2 APLAC

, 가

MR001

-

· MR001

MRA 가

IAF/ILAC A2

IAF/ILAC

- 가

-RMP()

○ BoM가

· MRA

-

가 APLAC

·

· 가 MR001 가 60

·

가

7.1.2 P A

7.

A2(MRA-

가)

7.1 MRA

○ ILAC/IAF A2 2.2.1 MRA

7.1.1 APLAC MR

- 가 ,

(: Dr. Katuo

(

4

Seta())

)

○ APLAC MR

가

- APLAC MR 001(

- APLAC MR

), 3.2.2

· MR 009(가)

. 가 (, 가 ○ APLAC MRA
)(Be fully operational (i.e., have
 carried out surveillance and reassessment)) MRA 2003
 가가 12

○ , 가 - ,
 ISO/IEC 17011

7.2 가 . APLAC 가

가 .
 ○ 가 MR 004 - ILAC
 가 3 ILAC/IAF , 2
 APLAC TC006(가
) APLAC

- MR 004 ,

7.3 MRA . EA
 WG 가

○ APLAC 7.4 MRA
 -2005 , TAF(),
 A2LA() JAS-ANZ() 3 (: WW Wong())
 가가 2

- ' RMP 가 ,
 60 ,

. ISO/IEC 17020
 - ' 가
 가 4
 , 60

. 가

○ RMP ISO/IEC 17025 ISO Guide 35
 MRA

7.5 MRA

- (: Chang Kwei Fern(가))
- APLAC MRA

7.6 가

- (: Ned Gravel())
- 18
 - : Ned Gravel (, CAEAL); Wei Hao (, CNAS); Rajesh Maheshwari (, NABL); Barry Ashcroft (, IANZ); Panadda Silva (, DMSc); Roxanne Robinson (, A2LA)
- - 가
 -
- 가
 - : 4 23~25 ,
 - : Ned Gravel(), Barry Ashcroft() Panadda Silva()
 - : 17011 가 가

8. ILAC

- 11 , ILAC
- APLAC ILAC

ILAC 가

- APLAC 가

9. ISO/IEC 17011

9.1 MRA

- APLAC MRA 8.3.1 ,
- , 가
- ,
- 가
- 가
- “ ”
- “ TEST”, “ CAL” “ 가
- 가 가
- 가 가

ISO/IEC 17011(가- 가) 8.3.1 APLAC

- ISO/IEC 17011 8.3.1 (KS A ISOIEC 17011

)
 - : 가 ○ APLAC 가 ILAC ARC

) (1. 10.2 ISO/IEC 17025:2005

가 ○ , 2007 2 1
 APLAC MRA

(An accreditation body, as proprietor of the accreditation symbol that is intended for use by its accredited CABs, shall have a policy governing its protection and use. The accreditation symbol shall have, or be accompanied with, a clear indication as to which activity (as indicated in Clause 1) the accreditation is related. An accredited CAB is allowed to use this symbol on its reports or certificates issued within the scope of its accreditation.)

○ (2007.5)
 (ISO9000
 가)

10.3 가 ILAC ARC

○ ISO/IEC 17011 (non- mandatory) ○ 3 ARC 가

○ ARC 가
 KPI() 가

10.

10.1 가

10.4 MR001 3.3.2

○ MRA 가 가 ILAC ○ MR001 3.3 가 APLAC MRA

○ 3 7~8 ILAC ARC(- , 3.2.2 MRA " PT"



- 3.3.2 : APLAC MRA

ISO/IEC 17020 8.2
가

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. 4 “ ”

가

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가

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2

a) 가 가
가

b) 가

. , 가 b)

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가

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가 가

b) , 3.3.2

가 (ILAC-P9

)

, ISO/IEC 17020 8.2

6.4

가

○ , 가
, PAC

11.

○ : ' 07. 12 5-6

○ :

가

1. KOLAS

KOLAS

APLAC

○ APLAC MRA

2006

KOLAS

63% , 2005

52% 11% 가

- KOLAS

, APLAC MRA

,
가

-KOLAS 가

가

APLAC KOLAS

가

3. ISO 15189() MRA

○ APLAC MRA
 - 9 가
 , APLAC
 - , APLAC MR
 ISO/IEC 17011, 17025 가

MRA ISO 15189
 ○ APLAC MRA MRA
 ISO 15189가 MRA
 가 .
 - 6 , HKAS(),
 JAB(), SM(), IANZ(),
 TAF(), DMSc()

○ KOLAS ,

2. 가 KOLAS
 가
 가

-5 ISO 15189
 가

○ APLAC MRA L-A-B
 1 가 MRA
 - L-A-B
 , MRA
 - KOLAS

4. 가
 가
 ○ APLAC MRA 가
 가 가
 , 가 가
 가

APLAC MRA ,

- APLAC 가
 1 ((TBT))
 . 가 (Lead evaluator) : 31 , 가
 (Evaluator) : 24 , 가 (Provisional
 evaluator) : 49
 . 가 : (4), (3), (2), (1),
 (1), (4), (1), (1),
 (1), (3), (1), (1), (1)
 가 0.4%

○ ISO/IEC 가 ILAC
 KOLAS
 - 9 APLAC 가 ,
 KOLAS

[]

MRA

○ : 15

APLAC MRA ISO/IEC 17011, 8.3.1

○ (14) / (1)

가

○ (12) / (2) / (1)

가

○ (5) / (-) / (7)

가

○ (12) / (2)

MRA 가 가

○ (9) / (6)

가

○ , ISO 15189, , RMP(7) ○ (17025 & 15189), (RMP), (-)

○ (ISO 15189), , RMP(3) ○ (17025 & 15189), (-)

○ (17025 & 15189), , RMP(3) ○ 가 (2)

가 APLAC MRA

○ 12 (1) / 24 (6) / 36 (5) / 48 (2)

가 ISO



1.

WTO , 가
(One World, One Standard)
Global Standard 가 ,

02-2123-2806

20

,21

WTO

,
FTA

”
20

,21

“ 가

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가

가

가

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가



(International Organization for Standard
ization: ISO)

ISO
ISO/TC
71(, , 6
가 , SC7
2004 ,
2005 11 ISO/TC71 13 가



1. 가

가

ISO

가

(2).

ISO/TC, ISO/TC 71

가

2. 가



2.

70, 80

, 20 30

90

(1).

3.

가 . 가

1980

가

가

가



가 (prescriptive specification) 가 가

가 , 가

2006 가

가 (performance based specification) 가

(ISO) 가

ISO TC 71() Euro-code EN 4. ISO ISO TC71

(ACMC) (ICCMC) 가 4.1 ISO

1995

가 가

ISO 1947 , ISO

1970 ISO 1995) GATT(WTO()가 . WTO (TBT)

3 ISO

2004 , WTO KS 가



, WTO

ISO

4.2

ISO

(整合化)가

가

ISO

ISO

4

WTO TBT

가 KS

ISO

가 ISO

ISO

EU() CEN()

EN()

ISO CEN

()

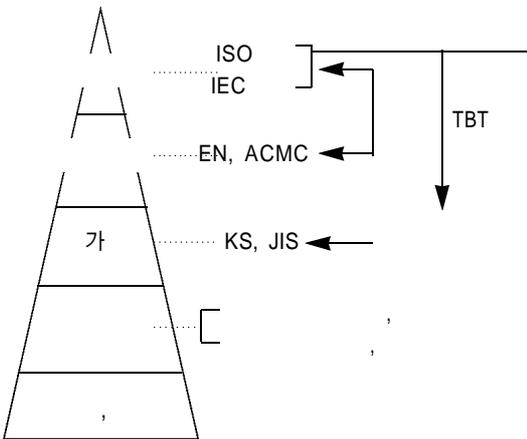
ISO

EN



4

ISO



3

PC



SC2()
가 , ISO TC 71
가

4
TC SC

ISO

ISO/TC71

ISO/TC71 ISO/TC71 6
P

4.3 ISO/TC 71

ISO/TC 71 Concrete, Reinforced Concrete and
Prestressed Concrete (,)

,
,

1949 ISO

1987 5

(ACI)가 1995 6

TC 71 83 가 ,
가 (P)
32 51 가가 (O)
, TC 71 6

SC가

SC1 : , SC3 :
, SC4 : , SC5 :

, SC6 :

, SC7 :

5 TC 71 SC

SC

TC 71 2

ISO/TC 71 Concrete, Reinforced Concrete and Pres
tressed Concrete
(,)
:

SC1 Test Methods for Concrete
()
:

SC3 Production and Control of Concrete
()
:

SC4 Harmonization of Performance Requirement
for Concrete Structures
()
:

SC5 Simplified Design Standard for Concrete Structures
()
:

SC6 Non Traditional Reinforcing Materials for
Concrete Structures
()
:

SC7 Maintenance and Repair for Concrete Structures
()
:

5 ISO/TC 71

ISO TC71 가 2005 11 28 30

, 29

60

43

103 가 가



6
 가 .6
 SC7 2003 11
 가
 가
 ISO
 2
 2005

4.4 ISO/TC 71 (SC)

4 (TC
 74)

TC 71/SC1
 . TC 71 가
 가 SC1 TC 71

. 2004
 WG (WG1;
 , WG2: 가)
 , WG3:
 , WG4: WG

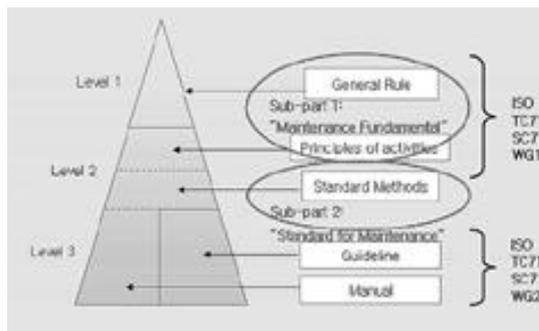
. SC1
 SC3
 . SC3 3
 (WG)
 가

가
 . ISO TC71/SC7
 ISO
 6 가

SC4 가
 ,
 가 ISO 19338 (가)
 가 가

(ACMC) . SC7

가
 가 가 가
 가



6. ISO TC71/SC7 ISO

. SC6

2007 5 14 () 가

ISO ,가

5.

| 2007.5

가

WTO/TBT 가 , KS

ISO , ISO

ISO 가 ISO

ISO ISO TC 71





‘ ’

“ () ACT ”

“ , ” ISO9001 ISO14001
“ ”

?
!

가 21

“ ”
2003 4

2

“ , ”
ISO9001

ISO14001

“ ”

, , 가 .

가 ‘ 가

, ,

가

, ACT가 “ (Ace Component Technology)



(Act) 가

Electret Condenser Microphone Speaker

, MP3, PMP,

C-MIC Electret Plate Connector Ring

가가



| 2007. 5





가
, (QM)
가
,
, (Resource management)
(Q-cost) 가 가
(
)
6 6 | 2007. 5



5 , 가
51.9%가 , 가
경0.3% 가
, 500 70
| 2007. 5

“ ”

2007 5

大賞



서비스만족대상
한국일보선정2007

“ ”
()
4 19 ()
,
가 ,
, 가 2007
5 , 大賞 ()
)
310
가 45



2006
 가 2006
 가
 (KMAC)
 가 “ 가 ”
 500
 70
 “ ”
 | 2007.5



() 2007 4
 11 2 , 가
 가 ,

FTA
가
BT
가
cGMP
2007. 5

「World - OKTA 9」

」



World-
OKTA () 2007 4
23
「World-OKTA 9」
World-OKTA

KOTRA
OKTA
World-OKTA
가



, World-OKTA가 , 930
 KOTRA, , 27 MOU
 26 400
 | 2007. 5

「 12 」 가



() 2007 4 ,
 24 27 4 ,
 (KINTEX) 「 12 .
 (KOREA PACK 2007)」 가 .
 KOTRA, , () .
 , , 30 600 가 가 .
 | 2007. 5



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31
68.4km

40

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2

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7 ()
()-

12
(710)

,20 가

1,400 가

800 400 , 가

4



가

3
가

(1),

가 가

가

(姝花臺), (姝花潭)

가
(沼)

가

가

가

10 가



(鶴巢臺) (飛下臺)가

가

3km, 1

가

, 20

(隱瀑)

가

(陰瀑)

가

200

가

~ ~ ~
~ ~ ~
(6). ~



1 30 .

가

.1 1200

가

31

20

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100

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5

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(

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가

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가) 가 5 가 (가 (054-292-9554). 4km

1

4

(虎尾串)

가

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1999

20

) 5

(가

가

☐ (0 5 5)
 (054)= 가 : - - -7
 ()- - - ()4 ()-242
 ()- - - (7)- (31)-
 (912)- - - ()-14 - ()-
)- - - (, ,)
)
 (14) (272-3194) 가 가
 (15). (273-7203).
 ☐
 (262-5200)
 50,000 (2
), 8 80,000 (4).
 4,000 , 3,000 . (262-0072),
 (262-0565) (262-1100) 가 (282-2224)
 가 (261-4330) . (261-6679),
 (262-1130)
 () (, 242-6111),
 (, 276-2705), (, 285-5281),
 (, 275-9030), (, 292-2100),
 (276-4932), (284-7139)
 (247-3776).

11km

()

(恒沙寺)

(吾魚寺,
가

가

.가 가

가

2007.5





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' ' ' ..

... 가

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| 2007. 5

2007 5 _105



2007 - 118

25 () 26 ()

『KS

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2007 4 6

『KS

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『KS

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1. 『KS

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: (12 ,)

• 가 : KS B 1544

12

2. : 『KS

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(<http://www.kats.go.kr>)

가

()

『KS

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: 12

(B) 11 , (D) 1

	KS B 1544		•			
			•			
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			•			
			•			



2007 - 74

19 3

가

2007 4 17

가

1. 가 . 가
- 가. 가 19 3
- . : 2007. 4. 17 ~ 2009. 1. 23
- . . : 「 19 2
- . . : 가 23

	(703-712)	1083	053-560-6600 www.textile.or.kr	○ . . . ○ ○ . ○ . . .

	(703-712)	1083	053-560-6600 www.textile.or.kr

2. 가. 가 23 (KOLAS)

	(130-070) 232-22		02-3668-3000 www.katri.re.kr	1. () 2. () 3. () 4. () 5. () 6. () 7. () 8. () 9. () 10. ()	1. () 2. () 3. () 4. _____ 5. _____ 가 _____ 6. _____ 7. _____ 8. _____ 9. _____ 10. _____
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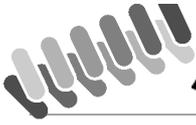
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TC/SC		
TC 4	ISO/DIS 24393	Rolling bearings- Linear motion rolling bearings- Vocabulary
TC 6	ISO/DIS 2470-2	Paper, board and pulps- Measurement of diffuse blue reflectance factor- Part 2: Outdoor daylight conditions (D65 brightness)
	ISO/DIS 2471	Paper and board- Determination of opacity (paper backing) - Diffuse reflectance method (Revision of ISO 2471:1998)
	ISO/DIS 22754	Pulp and paper- Determination of the effective residual ink concentration (ERIC number) by infrared reflectance measurement
TC 22	ISO/DIS 6626-3	Internal combustion engines- Piston rings- Part 3: Coil-springloaded and nitrided oil control rings made of steel
	ISO/DIS 9043	Mopeds- Measurement method for moments of inertia (Revision of ISO 9043:1991)
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TC 34	ISO/DIS 5536	Milk fat products- Determination of water content- Karl Fischer method (Revision of ISO 5536:2002)
	ISO/DIS 8260	Milk and milk products- Determination of organochlorine pesticides and polychlorobiphenyls- Method using capillary gas-liquid chromatography with electroncapture detection
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TC 43	ISO/DIS 1683	Acoustics- Preferred reference quantities for acoustical levels (Revision of ISO 1683:1983)	
	ISO/DIS 13472-2	Acoustics- Measurement of sound absorption properties of road surfaces in situ- Part 2: Spot method for reflective surfaces	
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	ISO/DIS 9924-3	Rubber and rubber products- Determination of the composition of vulcanizates and uncured compounds by thermogravimetry- Part 3: Hydrocarbon rubbers, halogenated rubbers and polysiloxane rubbers after extraction	
	ISO/DIS 23233	Rubber, vulcanized or thermoplastic- Determination of resistance to abrasion using a driven, vertical abrasive disc	
	ISO/DIS 24699	Rubber and rubber products- Environmental aspects- General guidelines for their inclusion in standards	
	ISO/DIS 24999	Flexible cellular polymeric materials- Determination of fatigue by a constant-strain procedure	
	ISO/DIS 25518	Dipped natural-rubber gloves for multipurpose applications - Specification	
	ISO/DIS 27588	Rubber, vulcanized or thermoset- Determination of dead-load hardness using the very low rubber hardness (VLRH) scale	
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	TC 51	ISO/DIS 12776	Pallets- Slip sheets (Revision of ISO/TR 12776:1995)
	TC 54	ISO/DIS 3525	Oil of amyris (<i>Amyris balsamifera</i> L.) (Revision of ISO 3525:1979)
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	ISO/DIS 877-1	Plastics- Methods of exposure to solar radiation- Part 1: General guidance (Revision of ISO 877:1994)	
	ISO/DIS 877-2	Plastics- Methods of exposure to solar radiation- Part 2: Exposure to direct and glass-filtered solar radiation (Revision of ISO 877:1994)	
	ISO/DIS 877-3	Plastics- Methods of exposure to solar radiation- Part 3: Intensified weathering using concentrated solar radiation (Revision of ISO 877:1994)	

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	ISO/DIS 28941-1	Plastics- Poly(phenylene ether) (PPE) moulding and extrusion materials- Part 1: Designation system and basis for specifications (Revision of ISO 15103-1:2000)
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	ISO/DIS 96-2	Textile machinery and accessories- Rings and travellers for ring spinning and ring twisting frames- Part 2: HZ- and J-rings and their travellers (Revision of ISO 96-2:1992)
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	ISO/DIS 9597	Methods of testing cement- Determination of setting time and soundness (Revision of ISO 9597:1989)
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	ISO/DIS 29582-2	Methods of testing cement- Determination of the heat of hydration- Part 2: Semi-adiabatic method
TC 76	ISO/DIS 3826-2	Plastics collapsible containers for human blood and blood components- Part 2: Graphical symbols for use on labels and instruction leaflets (Revision of ISO 3826:1993)
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TC 106	ISO/DIS 7405	Dentistry- Preclinical evaluation of biocompatibility of medical devices used in dentistry- Test methods for dental materials (Revision of ISO 7405:1997)
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TC 122	ISO/DIS 15394	Packaging- Bar code and twodimensional symbols for shipping, transport and receiving labels (Revision of ISO 15394:2000)
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	ISO/DIS 15143-2	Worksite data controlled earthmoving operation- Part 2: Data dictionary
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	ISO/DIS 20474-10	Earth-moving machinery- Safety- Part 10: Requirements for trenchers
	ISO/DIS 20474-11	Earth-moving machinery- Safety- Part 11: Requirements for earth and landfill compactors
	ISO/DIS 20474-12	Earth-moving machinery- Safety- Part 12: Requirements for rope excavators
	ISO/DIS 20474-13	Earth-moving machinery- Safety- Part 13: Requirements for rollers
	ISO/DIS 20474-2	Earth-moving machinery- Safety- Part 2: Requirements for tractordozers
	ISO/DIS 20474-3	Earth-moving machinery- Safety- Part 3: Requirements for loaders
	ISO/DIS 20474-4	Earth-moving machinery- Safety- Part 4: Requirements for backhoeloaders
	ISO/DIS 20474-5	Earth-moving machinery- Safety- Part 5: Requirements for hydraulic excavators
	ISO/DIS 20474-6	Earth-moving machinery- Safety- Part 6: Requirements for dumpers
	ISO/DIS 20474-7	Earth-moving machinery- Safety- Part 7: Requirements for scrapers
	ISO/DIS 20474-8	Earth-moving machinery- Safety- Part 8: Requirements for graders
ISO/DIS 20474-9	Earth-moving machinery- Safety- Part 9: Requirements for pipelayers	
TC 131	ISO/DIS 4411	Hydraulic fluid power- Valves- Determination of pressure differential/flow

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		characteristics (Revision of ISO 4411:1986)
	ISO/DIS 12151-1	Connections for hydraulic fluid power and general use- Hose fittings- Part 1: Hose fittings with ISO 8434-3 O-ring face seal ends (Revision of ISO 12151-1:1999)
	ISO/DIS 12151-3	Connections for hydraulic fluid power and general use- Hose fittings- Part 3: Hose fittings with ISO 6162-1 or ISO 6162-2 flange ends (Revision of ISO 12151-3:1999)
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	ISO/DIS 20666	Water quality- Determination of the chronic toxicity to Brachionus calyciflorus in 48 h
	ISO/DIS 21458	Water quality- Determination of glyphosate and AMPA- Method using high performance liquid chromatography (HPLC) and fluorometric detection
	ISO/DIS 26149	Water quality- Determination of pH
TC 150	ISO/DIS 16402	Implants for surgery- Acrylic resin cement- Flexural fatigue testing of acrylic resin cements used in orthopaedics
	ISO/DIS 25539-2	Cardiovascular implants- Endovascular devices- Part 2: Vascular stents
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	ISO/DIS 12576-2	Thermal insulation products - Conformity control systems- Part 2: In-situ products
TC 174	ISO/DIS 11495	Determination of palladium in palladium jewellery alloys- ICPsolution-spectrometric method using yttrium as internal standard element

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	ISO/DIS 11596	Sampling of the precious metal alloys for and in jewellery and associated products
TC 184	ISO/DIS 10303-223	Industrial automation systems and integration- Product data representation and exchange- Part 223: Application protocol: Exchange of design and manufacturing product information for cast parts
TC 190	ISO/DIS 10381-6	Soil quality- Sampling- Part 6: Guidance on the collection, handling and storage of soil under aerobic conditions for the assessment of microbiological processes, biomass and diversity in the laboratory (Revision of ISO 10381-6:1993)
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TC 205	ISO/DIS 23045	Building environment design- Prescriptive guidelines to assess energy efficiency of new buildings- Guidelines for new buildings
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TC 217	ISO/DIS 16212	Cosmetics- Microbiology- Enumeration of yeast and mould
JTC 1	ISO/IEC DIS 29881	Information technology- Software and systems engineering - FiSMA 1.1 functional size measurement method
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	ISO/FDIS 21994	Passenger cars- Stopping distance at straight-line braking with ABS- Open-loop test method
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		assessment criteria (Revision of ISO 12944-6:1998)
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TC 45	ISO/FDIS 2007	Rubber, unvulcanized- Determination of plasticity- Rapidplastimeter method (Revision of ISO 2007:1991)
	ISO/FDIS 8029	Plastics hose- General-purpose collapsible water hose, textilerreinforced- Specification (Revision of ISO 8029:1985)
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TC 108	ISO/FDIS 15230	Mechanical vibration and shock- Coupling forces at the man-machine interface for hand-transmitted vibration
TC 121	ISO/FDIS 8835-2	Inhalational anaesthesia systems- Part 2: Anaesthetic breathing systems (Revision of ISO 8835-2:1999)
	ISO/FDIS 8835-3	Inhalational anaesthesia systems- Part 3: Transfer and receiving systems of active anaesthetic gas scavenging systems (Revision of ISO 8835-3:1997)
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	ISO/FDIS 17363	Supply chain applications of RFID- Freight containers

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	ISO/FDIS 19973-2	Pneumatic fluid power- Assessment of component reliability by testing- Part 2: Directional control valves
	ISO/FDIS 19973-3	Pneumatic fluid power- Assessment of component reliability by testing- Part 3: Cylinders with piston rod
TC 138	ISO/FDIS 4437	Buried polyethylene (PE) pipes for the supply of gaseous fuels- Metric series- Specifications (Revision of ISO 4437:1997, ISO 4437:1997/Cor 1:1999)
	ISO 15875-1:2003/ FDAm1	Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X)- Part 1: General- Amendment 1
	ISO 15875-2:2003/ FDAm1	Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X)- Part 2: Pipes- Amendment 1
	ISO 15876-1:2003/ FDAm1	Plastics piping systems for hot and cold water installations - Polybutylene (PB)- Part 1: General- Amendment 1
	ISO 15876-2:2003/ FDAm1	Plastics piping systems for hot and cold water installations - Polybutylene (PB)- Part 2: Pipes- Amendment 1
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TC 150	ISO/FDIS 5832-1	Implants for surgery- Metallic materials- Part 1: Wrought stainless steel (Revision of ISO 5832-1:1997)
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TC 172	ISO/FDIS 11979-6	Ophthalmic implants- Intraocular lenses- Part 6: Shelf-life and transport stability (Revision of ISO 11979-6:2002)
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	ISO/IEC FDIS 15459-5	Information technology- Unique identifiers- Part 5: Unique identifier for returnable transport items (RTIs)
	ISO/IEC FDIS 15459-6	Information technology- Unique identifiers- Part 6: Unique identifier for product groupings
	ISO/IEC 15938-7: 2003/FDAmd 2	Information technology- Multimedia content description interface- Part 7: Conformance testing- Amendment 2: Fast access extensions conformance
	ISO/IEC FDIS 19794-7	Information technology- Biometric data interchange formats - Part 7: Signature/sign time series data
	ISO/IEC FDIS 21000-18	Information technology- Multimedia framework (MPEG-21)- Part 18: Digital Item Streaming
	ISO/IEC FDIS 23000-3	Information technology- Multimedia application format (MPEG-A)- Part 3: MPEG photo player application format

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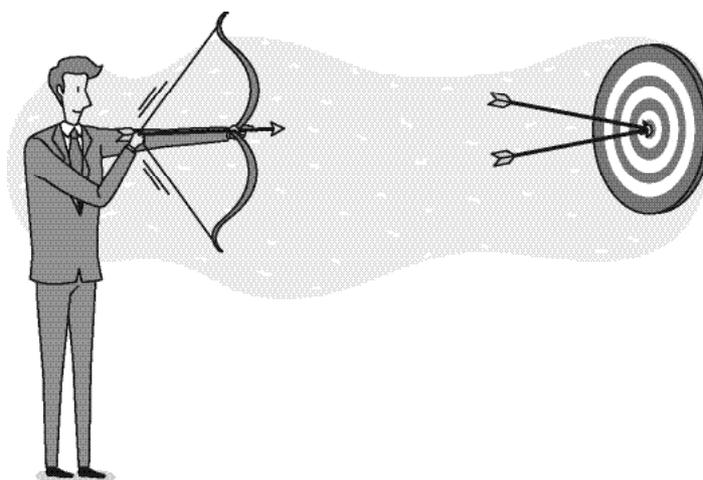
TC/SC		
15/377/FDIS	IEC 60454-2 Ed. 3.0	Pressure-sensitive adhesive tapes for electrical purposes - Part 2: Methods of test
23/428/CDV	IEC 62080 A1 Ed.1	Sound signalling devices for household and similar purposes
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62C/424/DTR	IEC 60977 Ed.2	Medical electrical equipment - Medical electron accelerators - Guidelines for functional performance characteristics
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45B/542/FDIS	IEC 60846-2 Ed.1	Radiation protection instrumentation - Ambient and/or directional dose equivalent (rate) meters and/or monitors for beta, X and gamma radiation - Part 2: High range beta and photon dose and dose rate portable instruments for emergency radiation protection purposes
62B/651/FDIS	IEC 61223-3-2 Ed.2	Evaluation and routine testing in medical imaging departments - Part 3-2: Acceptance tests - Imaging performance of mammographic X-ray equipment
62B/652/CDV	IEC 60601-2-44	Medical electrical equipment - Part 2-44: Particular requirements for basic safety and essential performance of X-ray equipment for computed tomography
64/1591/CDV	IEC 60364-5-55 A2 Ed.1	Low-voltage electrical installations - Part 5-55: Selection and erection of electrical equipment - Other equipment; Clause 551 - Low-voltage generating sets
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91/655/CDV	NP-CDV: IEC	Materials for printed boards and other interconnecting structures - Part 2-35:Re

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	61249-2-35, Ed. 1	inforced base materials clad and unclad - Modified epoxide woven E-glass laminated sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly
91/657/CDV	NP-CDV: IEC 61249-2-36, Ed. 1	Materials for printed boards and other interconnecting structures - Part 2-36:Reinforced base materials clad and unclad - Epoxide woven E-glass laminated sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly
91/659/CDV	NP-CDV: IEC 61249-2-37, Ed. 1	Materials for printed boards and other interconnecting structures - Part 2-37:Reinforced base materials clad and unclad - Modified non-halogenated epoxide woven E-glass laminated sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly
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91/667/CDV	NP-CDV: IEC 61249-4-16, Ed. 1	Materials for printed boards and other interconnecting structures - Part 4-16:Sectional specification set for prepreg materials, unclad (for the manufacture of multilayer boards) - Multifunctional non-halogenated epoxide woven E-glass prepreg of defined flammability (vertical burning test) for lead-free assembly
91/669/CDV	NP-CDV: IEC 61249-4-17, Ed. 1	Materials for printed boards and other interconnecting structures - Part 4-17:Sectional specification set for prepreg materials, unclad (for the manufacture of multilayer boards) - Non-halogenated epoxide woven E-glass prepreg of defined flammability (vertical burning test) for lead-free assembly
23J/297/CDV	IEC 61020-1 Ed.2	Electromechanical switches for use in electrical and electronic equipment - Part 1: Generic specification
34C/784/CDV	IEC 62386-201 Ed.1	Digital addressable lighting interface - Part 201: Particular requirements for control gear - Fluorescent lamps (device type 0)

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47D/681/FDIS	IEC 60191-6-13, Ed. 1	Mechanical standardization of semiconductor devices - Part 6-13: Design guideline of open-top type sockets for Fine-pitch Ball Grid Array and Fine-pitch Land Grid Array (FBGA/FLGA)
48B/1784/CDV	IEC 60512-26-100 Ed. 1.0	Connectors for electronic equipment - Tests and measurements - Part 26-100: Measurement setup, test and reference arrangements and measurements for connectors according to IEC 60603-7 (tests 26a to 26g)
57/880/FDIS	IEC 61968-4 Ed.1	Application integration at electric utilities - System interfaces for distribution management - Part 4: Interfaces for records and asset management
62A/571/FDIS	IEC 60601-1-9 Ed.1	Medical electrical equipment - Part 1-9: General requirements for basic safety and essential performance - Collateral Standard: Requirements for environmentally conscious design
62D/603/CDV	IEC 60601-2-31 Ed.2	Medical electrical equipment - Part 2-31: Particular requirements for basic safety and essential performance of external cardiac pacemakers with internal power source
64/1594/CDV	IEC 60364-5-53 A2 Ed.3	Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Protection, isolation, switching, control and monitoring;
64/1595/FDIS	IEC 60364-7-729 Ed.1	Low-voltage electrical installations - Part 7-729: Requirements for special installations or locations - Operating or maintenance gangways
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91/673/CDV	IEC 61249-2-32, Ed. 1	Materials for printed boards and other interconnecting structures - Part 2-32: Reinforced base materials clad and unclad for high frequency application - Halogenated modified or unmodified resin system, woven E-glass laminated sheets of defined relative permittivity (equal or less than 3.7 at 1 GHz) and flammability (vertical burning test), copper-clad
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CIS/A/737/FDIS	CISPR 16-1-1 A2 Ed.2	Weighting of interference according to its effect on digital communication services
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86B/2529/FDIS	IEC 61753-062-6 Ed. 1.0	Fibre optic interconnecting devices and passive components performance standard - Part 062-6: Non-connectorized single-mode fibre optic pigtailed isolators for category O - Uncontrolled environment and sequential test
91/681/FDIS	IEC 62137-1-1, Ed. 1	Surface mounting technology - Environmental and endurance test methods for surface mount solder joint - Part 1-1: pull strength test
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104/412/FDIS	IEC 60068-2-2 Ed. 5.0	Environmental testing - Part 2-2: Tests - Test B: Dry heat
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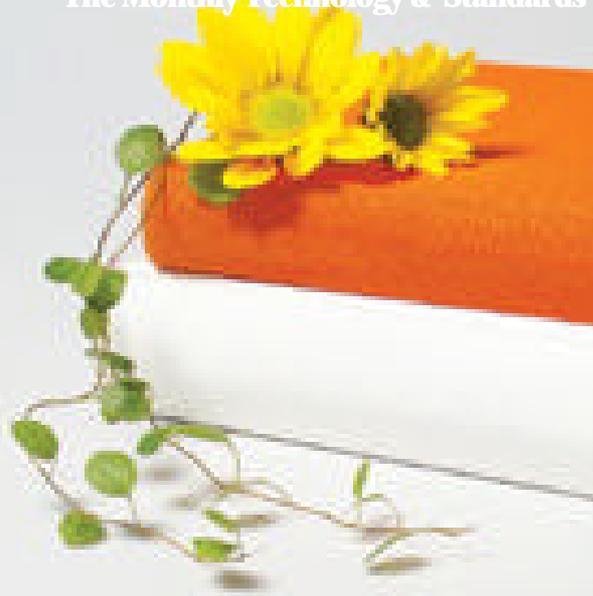
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49			07-4-20		- 가 , , 94/721/EC() 가 (a) (b)
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