



Conformity assess. in Korea “Today & Tomorrow”

May 7, 2009

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Radio Research Agency
Korea Communications Commission



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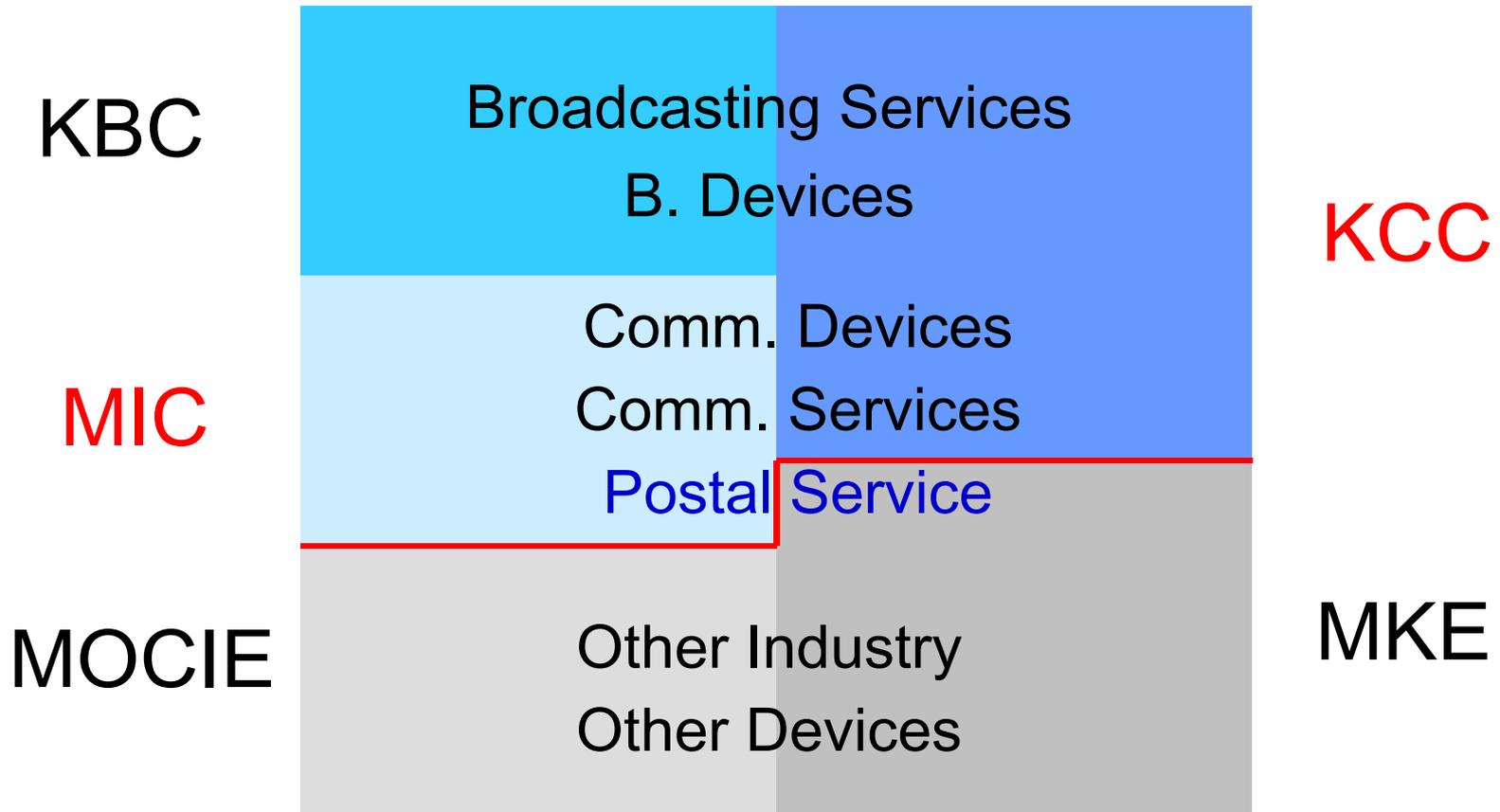


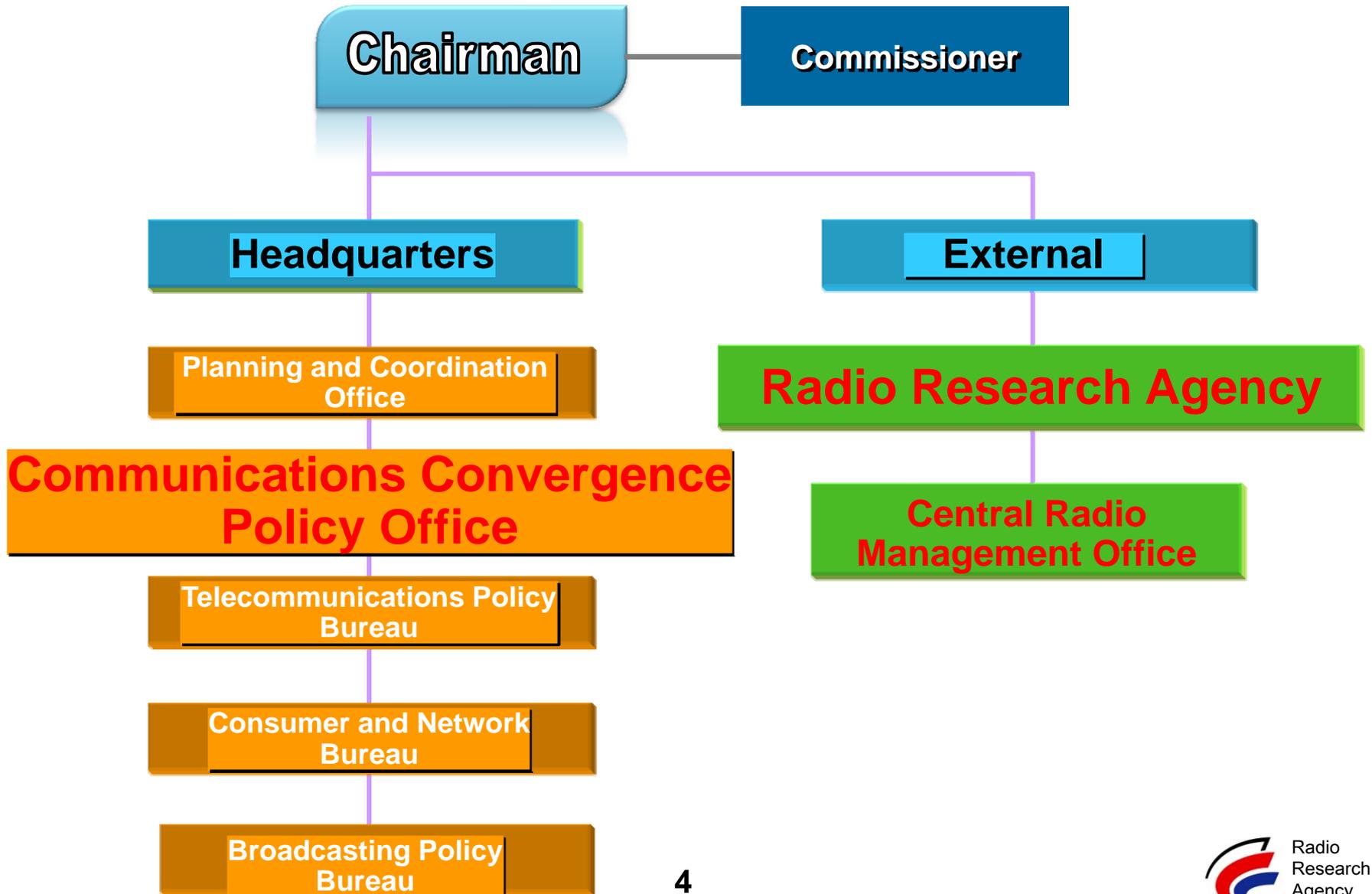
Introduction

Certification

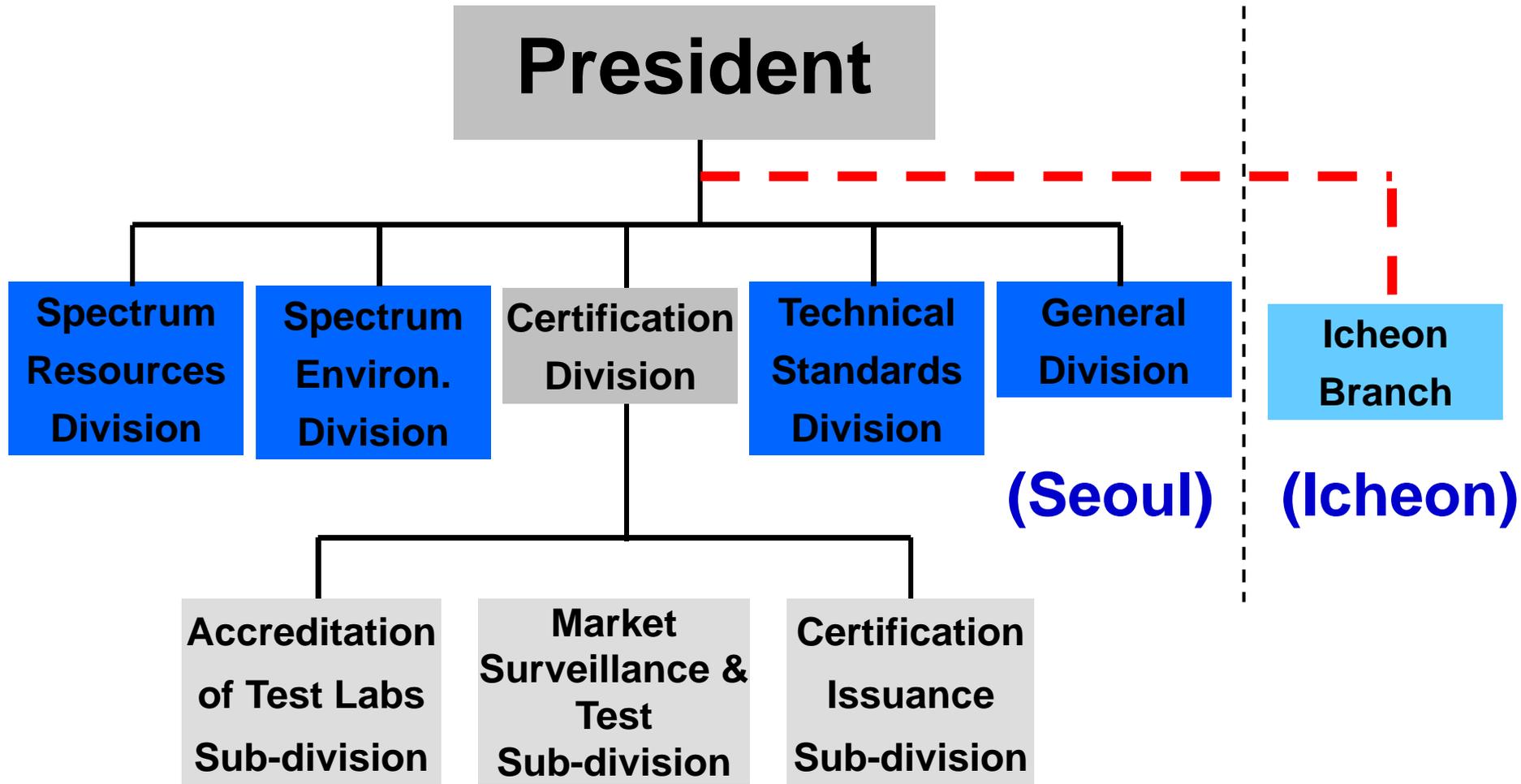
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Birth of KCC 2008

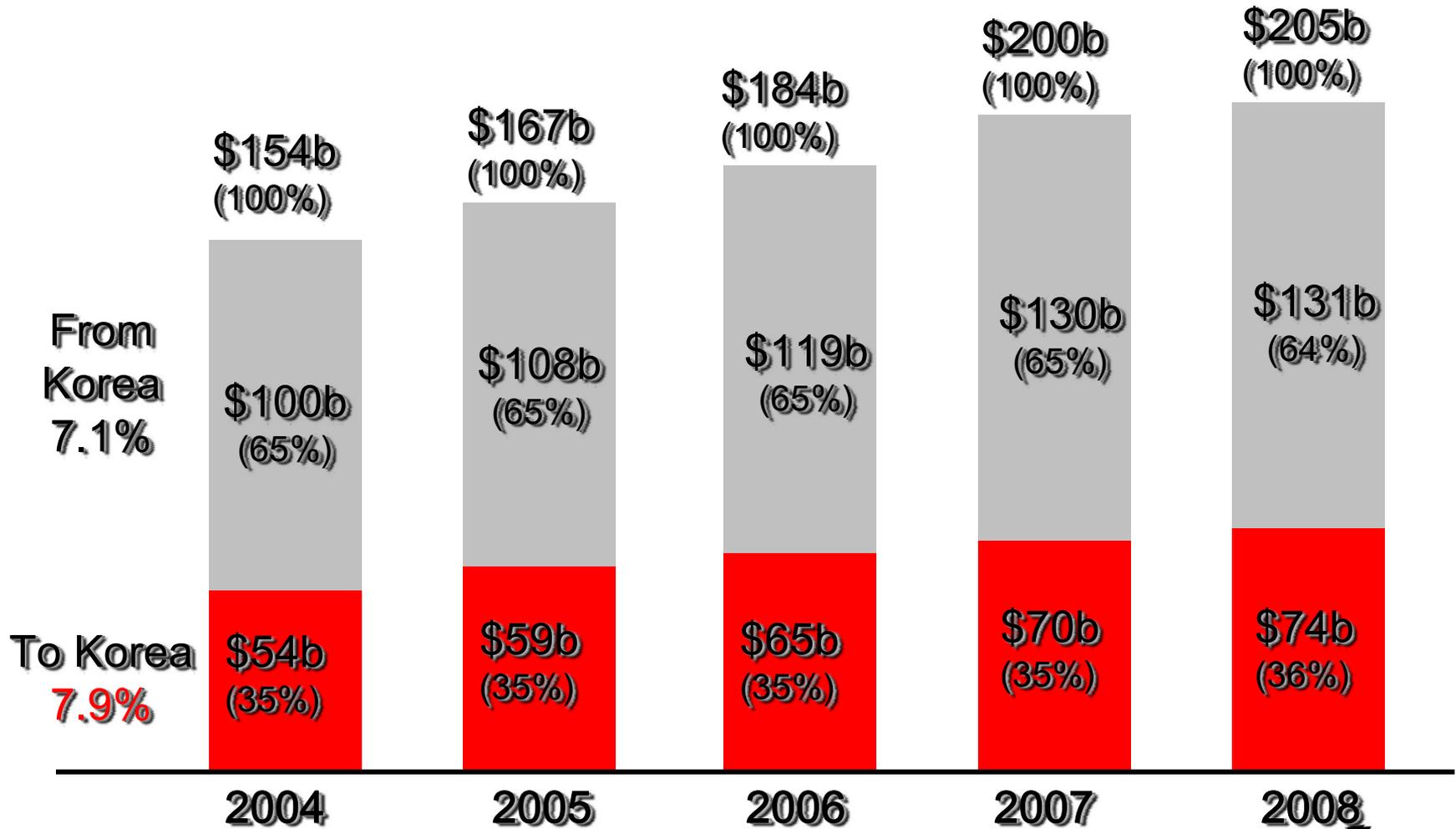




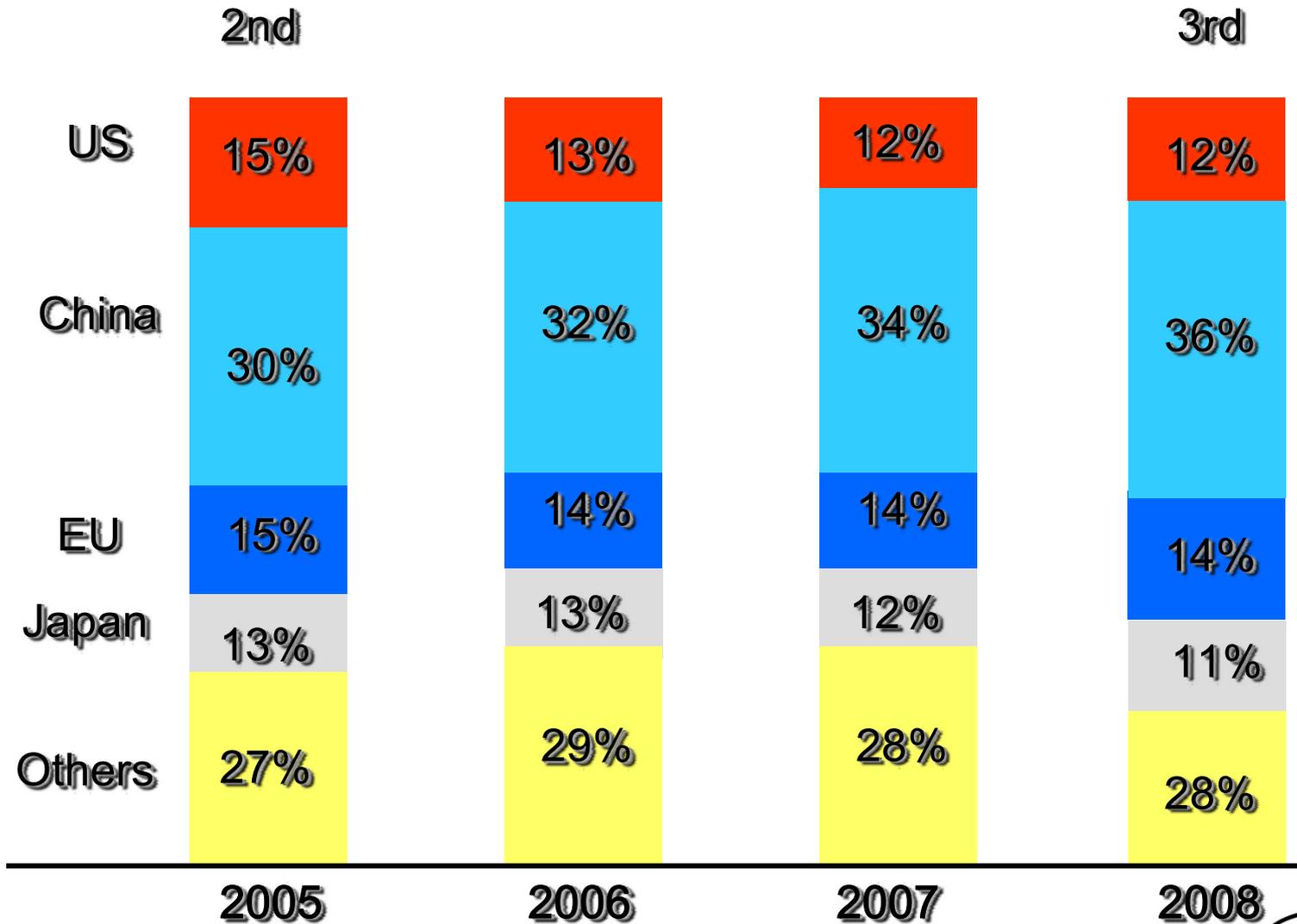
Radio Research Agency



IT Trade



IT Trade Partners





Introduction

Certification

Outlook

Devices to get Certified



**Wireless
Devices**

Wired Devices



**Interference causing
Devices**



3rd Party Certification only!

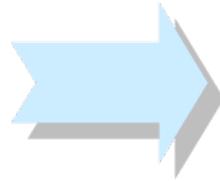
- Type Approval**
Cert. for Wired devices ...
- Type Official Approval**
Cert. for INMARSAT devices ...
- Type Registration**
Cert. for Wireless devices ...
- EMC Registration**
Cert. for Interference-causing devices ...

Players in the Game

	Certification	Testing
Rule Making	KCC	KCC
Accreditation Body	None	RRA
Done by	RRA	Private Labs (RRA*)

* 0.3% (38 cases out of total 11,194 cert. in '08)

Certification Mark



(Nov. 2008)



방송통신위원회

Both in Use

Marking



> 7mm (~0.3 inch),
no “방송통신위원회”

Too small,
Marking only on package!

COLOR or B&W

Very Visible Place on a device

Number of Certification

	EMC	Type Registration	Type Approval	Type Official Approval	Multi	Total
'04	5,556	1,488	517	35	478	8,074
'05	6,470	1,642	322	17	439	8,890
'06	6,818	2,012	586	18	636	10,070
'07	7,757	1,969	376	28	949	11,079
'08	7,679	2,121	273	38	1,083	11,194
'09E	7,600	2,250	200	30	1,200	11,280
%	8.4	9.3	-14.8	2.1	22.7	8.5

% : Average Yearly Growth Rate ('04~'08)

Certification Fee

☐ 75K ~ 165K won (\$57 ~ \$127)

	Fee
EMC Registration	75K won (\$57)
Type Registration	93K won (\$72)
Type Approval	145K won (\$116)
Type Official Approval	165K won (\$127)

With \$1 = 1,300won

Market Surveillance

- Whether **certified**?
- Whether **marked**?
- Whether **tech. standards** satisfied?
- Whether **changes** reported?
(affecting on electrical characteristics)

Penalties (1/2)

❑ **Uncertified (criminal charge)**

- Fabrication, sales, import : **up to 3 yrs in prison or 30M Korean won fine**
- Promotion : up to 1yr in prison or 10M fine

❑ **Get certified by deceptive ways**

- Cancellation of the certification, withdrawing

❑ **Not compatible with technical standards**

- Ban to produce/import, withdraw from market

❑ No marking or false marking

- Wireless : (1st) Correctional order (2nd) Cancellation and Withdraw, **up to 3M K. won**
- Wired : Cancellation and Banning producing, **up to 10M K. won**

❑ Violating the order to withdraw etc.

- **up to 1yrs in prison 10M won fine**

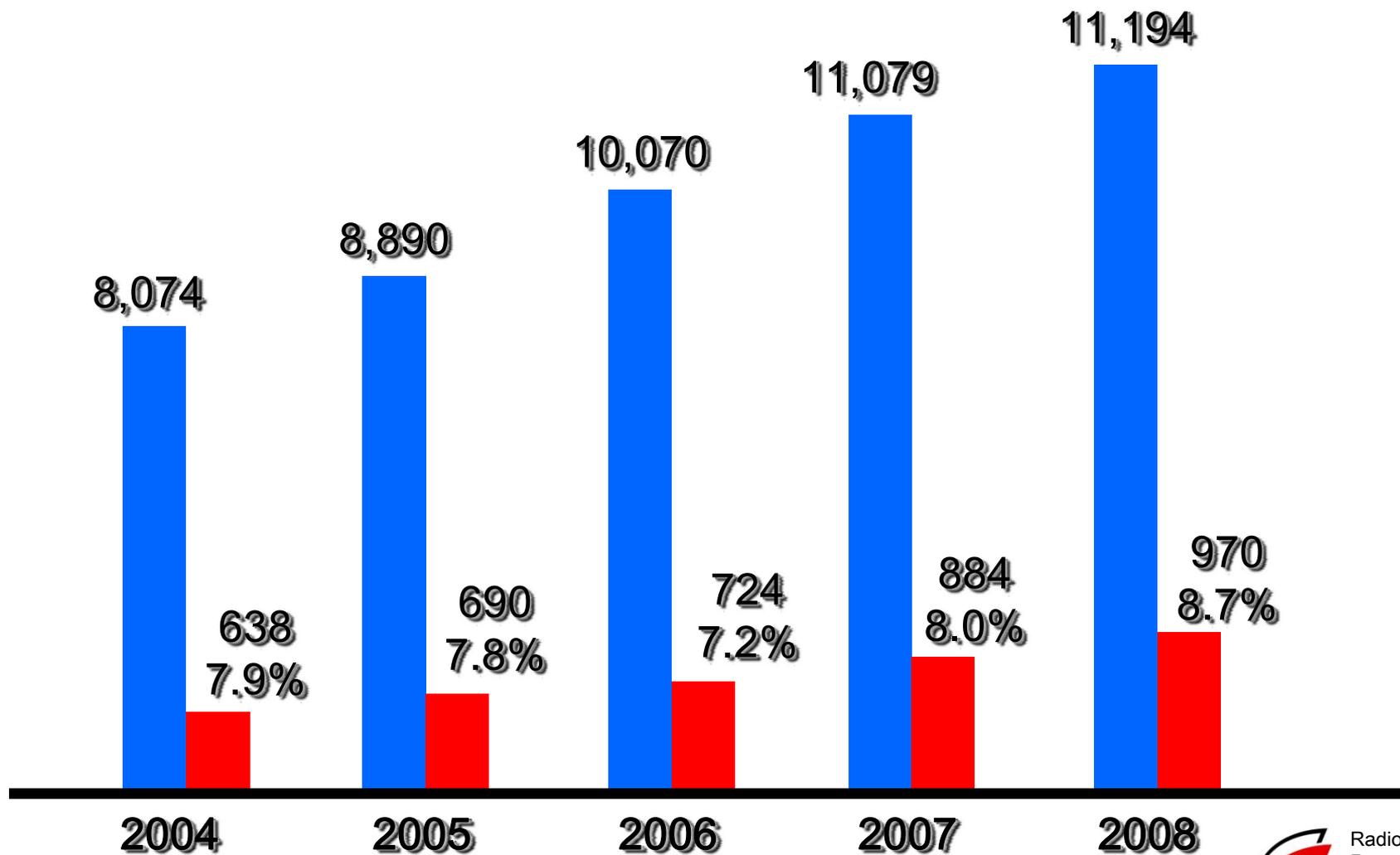
□ Non-certified cases

2005	2006	2007	2008
326	514	492	448

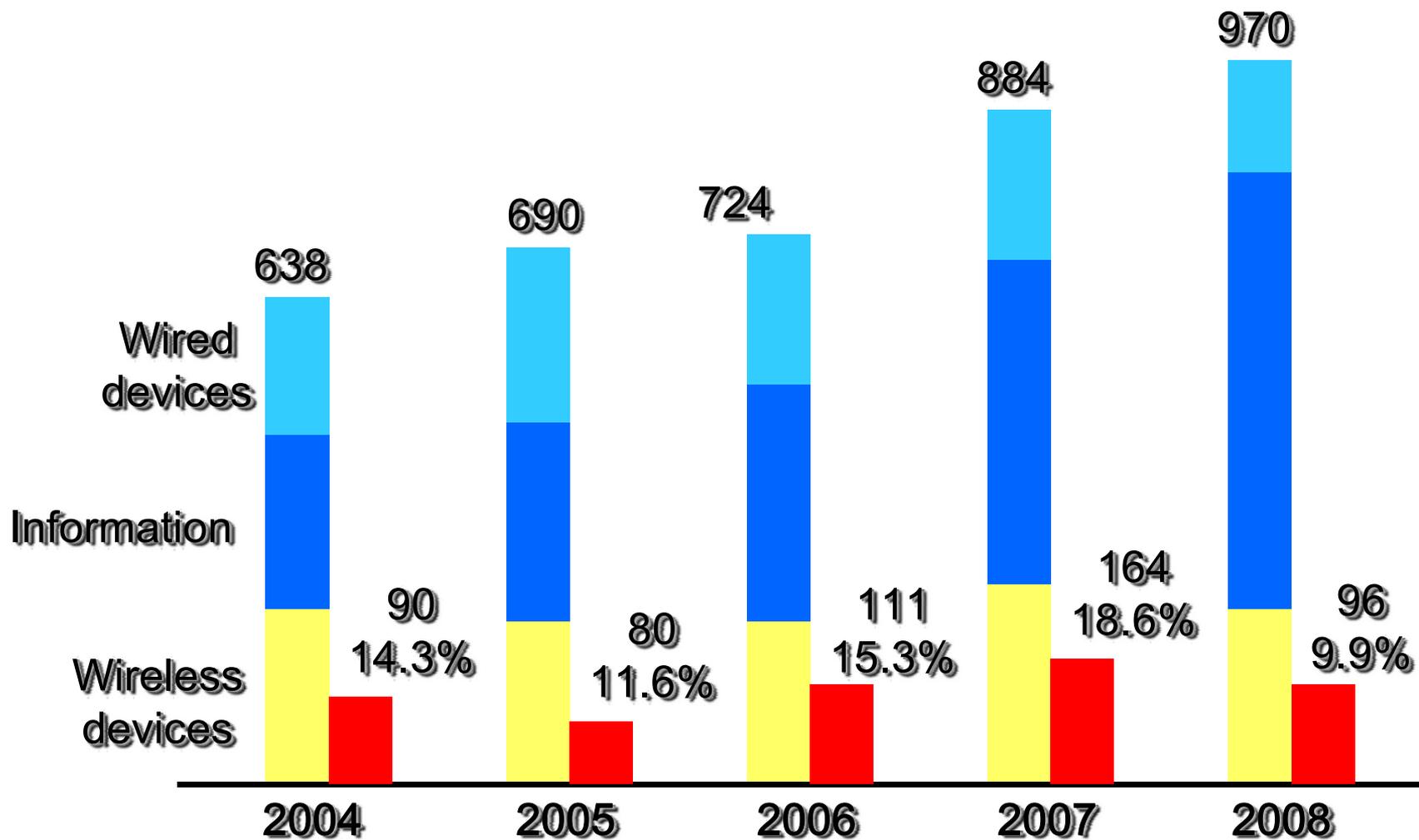
□ Criminal penalties in 2008

~300K (~\$230)	~500K (\$385)	~1M (\$770)	~2M (\$1,540)	2M~ (\$1,540~)
41	87	93	46	38

on the Certified



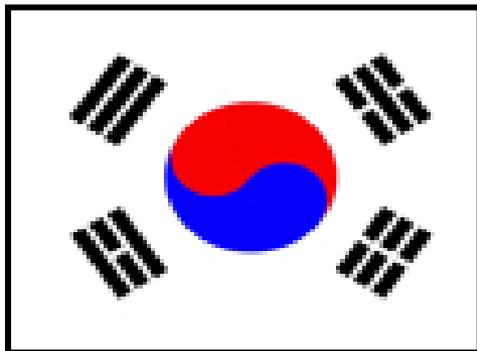
on the Certified



- ❑ **476 manufacturers, suppliers visited**
 - Wireless devices : 38
 - Wired devices : 60
 - Information : 268

- ❑ **344 testing performed**
 - 96 cases, non-compatible with technical standards

- ❑ **150 on-spot inspection**



Benefits of
3.3 weeks &
\$2,650



'97, Labs : Korea 4, Canada 10



'05, Labs : Korea 27, US 61



'06



'08



Introduction

Certification

Outlook



Radio Wave Act

under revision



New Scheme

3rd Party Certification

(Conformity Certification)

Declaration of Conformity (DoC)

(Conformity Registration)

Interim Approval



Interim Approval

- Technical requirements yet to be developed
- No harm to network
- No interference, no damage to other existing spectrum user's
- No harm to security...

□ Interim Approval

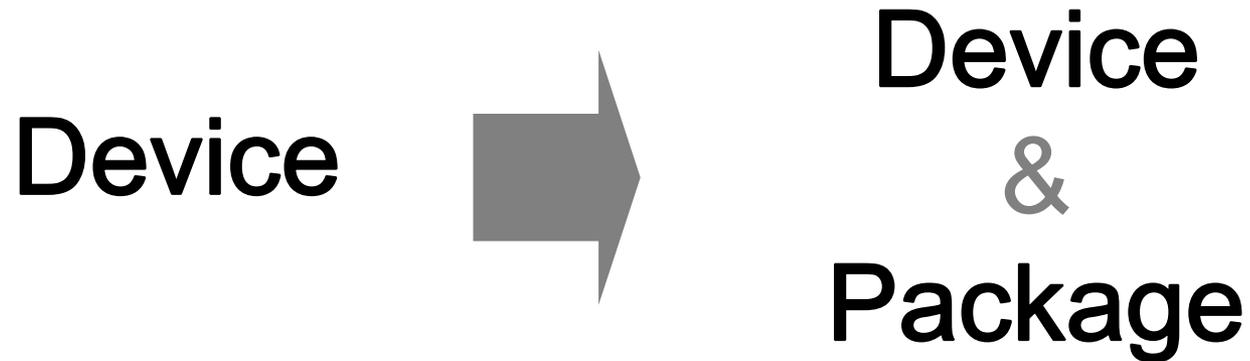
- User's manual
- Technical description
- Test reports (if available)
- External & internal photos
- Parts list ...

To be reviewed at the Committee

Introduction of DoC

	2009	2011	2012
IT Equip.	DoC (EMC Reg.)	DoC	DoC*
Wired Equip.	Cert. (Type Approval)	DoC	DoC
Wireless Equip.	Cert. (Type Registration)	Cert.	DoC
	Cert. (Type Official Approval)	Cert.	Cert.

* Reports from self-test or non-designated lab



* **V**ery **V**isible **P**lace as it has been

Mark Before Market or Before Border

Tech. Requirements

- ❑ **More technical requirements** for consumer safety and health

	Current	Future
Electrical Safety	Wired equipments	and Wireless equipments, IT equipments
SAR	Mobile phones	and other portable wireless equipments
EMC	IT equipments	and wireless equipments

Changes in Market Surveillance

❑ Market surveillance at the customs

- whether certified & marked
- high risk, 40 items among 286 items

❑ More Flexibility on the penalties to violation

- SAR violation : (1) ~10% correction, (2) ~20% fine and correction, (3) 25%~ fine & no sales

Consumer Education



□ Education

- Giving seminar in the other's turf
- Legal scheme, tech. regulations ...

□ Market surveillance

- To be continued as MS has been carried out
- 5% Rule honored



Thank you!

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