



Bundesnetzagentur

# MIC MRA International Workshop 2019

Implementation of Japanese Regulations in Germany  
by German Designating Authority Bundesnetzagentur



[www.bundesnetzagentur.de](http://www.bundesnetzagentur.de)

# Introduction



- Development of Bundesnetzagentur
- Development of MRA's in Telecommunications/EMC
- Development of Equipment ( RL versus TBL )
- Development of Pool of Expertise ( Assessors )
- Assessment Procedure
- Status ( RCBs ) & Summary

# Development of Bundesnetzagentur (Federal Network Agency)



- 1950 > Deutsche Bundespost (German Federal Post)
- 1985 > separation of Post and Telecom
- 1990 > Privatization
- > BAPT (Federal Bureau for Post and Telecom)
- 1998 > end of approval regime
  - > end of Ministry for Post and Telecom
  - > RegTP
  - > (Regulatory Authority for Telecom and Post)
- 2005 > BNetzA (Federal Network Agency)
  - > for Electricity, Gas, Telecom and Post
- 2006 > BNetzA for Electricity, Gas, Telecom, Post and Railways

# Development of MRA's



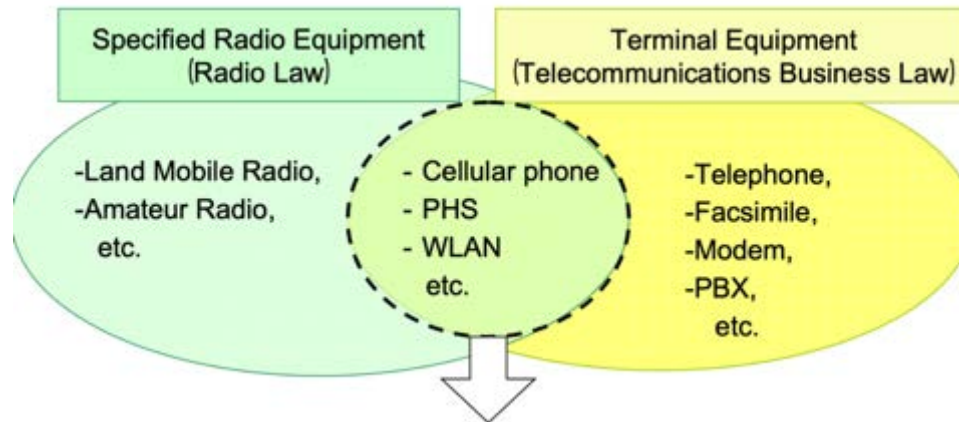
- US-EU signed 22 June 1998  
published in the OJ 04 Feb 1999
- CANADA-EU signed 20 July 1998  
published in the OJ 16 Oct 1998
- JAPAN-EU signed 27 Sep 2001  
published in the OJ 29 Oct 2001
- Designating Authority in Germany > BMWi
- The Federal Ministry for Economic Affairs and Energy (BMWi) delegated the task to Bundesnetzagentur



- MRA should cover all market segments (safety, food, medical appliances, drugs, .....)
  - > but only Telecom/EMC survived !
  - > privileged situation > physics worldwide the same
- MRA JAPAN-EU started with Telecom/EMC only
  - > a number of additional trade-agreements followed
- Language!
  - > first translations versus translations of today



# Development of Equipment

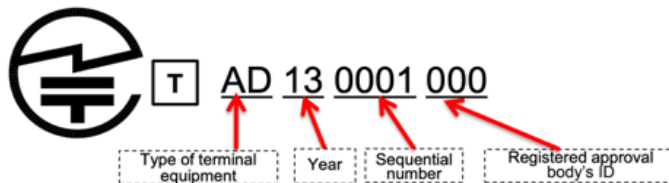


Types of Terminal equipments	Symbols
Terminal equipment connected to analogue telephone facility and mobile telephone facility	A
Terminal equipment connected to Internet Protocol Telephone Facility	E
Terminal equipment connected to Radio Paging Facility	B
Terminal equipment connected to ISDN facility	C
Terminal equipment connected to leased line facility or digital data transmission facility	D

<ul style="list-style-type: none"> <li>TDMA</li> <li>CDMA</li> <li>W-CDMA</li> <li>CDMA2000</li> </ul>
<ul style="list-style-type: none"> <li>W-CDMA (HSDPA)</li> <li>CDMA2000 (1xEV-DO)</li> <li>LTE</li> <li>WiFi</li> <li>WiMAX</li> <li>XGP</li> </ul>

- Category Type A1**  
**Terminal equipment for phone calls** (Article 4 Item 1 of Ordinance concerning technical conditions compliance approval etc. for terminal equipment)  
 e.g.)
  - Analog Telephone
  - Mobile Telephone (without packet communication function)
  - IP Telephone (with 0AB-J numbers, for call only)
- Category Type A2**  
**Other types of terminal equipment** (Article 4 Item 2 of Ordinance concerning technical conditions compliance approval etc. for terminal equipment)  
 e.g.)
  - FAX
  - Modem
  - Data Communication Card Device for PHS, 3G or BWA
  - Pager
  - IP terminals (including Wi-Fi Products, without phone call function)
  - IP Telephone (except 0AB-J numbers)
- Category Type A1&A2**  
**Terminal equipment placed in both category types**  
 e.g.)
  - FAX with phone
  - Mobile Telephone (with packet communication function)
  - ISDN Terminal Adaptor





	<b>Radio equipment</b>	<b>Terminal equipment</b>
Laws	<ul style="list-style-type: none"> <li>Radio Law (Law No.131,1950)</li> </ul>	<ul style="list-style-type: none"> <li>Telecommunications Business Law (Law No.86,1984)</li> </ul>
Ordinances regarding Technical Requirements	<ul style="list-style-type: none"> <li>Ordinance Regulating Radio Equipment (Radio Regulatory Commission Regulation No. 18, 1950)</li> </ul>	<ul style="list-style-type: none"> <li>Ordinance Concerning Terminal Facilities etc. (MPT Ordinance No.31, 1985)</li> </ul>
Ordinances regarding Conformity Assessment Procedures	<ul style="list-style-type: none"> <li>Ordinance concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment (MPT Ordinance No.37, 1981. Hereinafter referred as to "Certification Ordinance")</li> </ul>	<ul style="list-style-type: none"> <li>Ordinance Concerning Technical Conditions Compliance Approval etc. of Terminal Equipment (MIC Ordinance No.15, 2004. Hereinafter referred as to "Approval Ordinance")</li> </ul>

# Development of Pool of Experts



- all assessments of Registered Certification Bodies (RCB) are run by Bundesnetzagentur
- technical interviews and equipment review should be done by technical experts
- where to find these technical experts ?



- 3 + 1 (+ 1) RCBs in Germany
- that is, where the expertise is !
- it is their daily work !
- daily challenges and solutions !
- idea: pool of experts from these bodies !



## Reservations:

- they are competing bodies in the market
- therefore they will not be objective



## Pro arguments:

- they have contracts with BNetzA as private persons
- they have to attend national coordination-meetings
- they have to attend trainings by DAkkS & BNetzA
- they are lead assessors in accreditation business
- they meet in TCB-C      RED-CA      MIC MRA WS
- they are trained to discuss technical problems on a professional basis





Further more:

- lead assessor always from Bundesnetzagentur (in case of disputes / supervision)
- training of experts includes studies of Japanese laws and regulations
- profound knowledge of Japanese Regulations
- multiplication effect top down !

# Assessment & Designation Procedure



- Request > Application documents
- **APPLICATION** > Document check
- Selection of assessors > Assessment plan
- **ASSESSMENT** > Report, Checklist, Findings
- National Recognition (administrative notice)
  
- **DESIGNATION** via EU-KOM to MIC for review
- Decision on **RECOGNITION** by MIC
- Entry into List of Registered Certification Bodies
  
- Final Certificate by Bundesnetzagentur

# Status of RCB's



- 5 RCBs in Germany
  - > CTC advanced
  - > Phoenix Testlab
  - > EMCC Dr. Rasek
  - > CETECOM
  - > (KL-Certification)
- all of them cover Radio Law (RL)
- one of them covers RL + TBL
- all want to amend their scope to TBL in 2019

# Personal Summary



We work in a nice technical environment (Telecom)

- it is never boring
- always new technologies / equipments / applications
- always in contact with experts all over the world



# Thank you for your attention !

Franz Müller

Recognition of Conformity Assessment Bodies

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