



ECWRV - European Committee behind the Quality Assurance for Welding of Railway Vehicles according to EN 15085

Task of ECWRV

Online Register EN 15085 Development Tools and Status

Quality assurance – more than a written standard

How Transparency works

Further development - Maintenance as next step

April 2013 - Ankara

Prof. Dr.-Ing. Steffen Keitel, Chairman ECWRV

CEO SLV Halle GmbH

Structure of ECWRV and Internet-Database EN15085

dated: 12 - 2010

European Committee for Welding of Railway Vehicles
Chairman: Mr. Keitel
Rules of Procedure
for the European Committee
for Welding of Railway Vehicles (ECWRV)

WG 1: European guideline concerning technical interpretation of EN 15085
Chairman: Mr. Hans

WG 2: Guideline for EN 15085 audit procedure incl. e.g. questionnaire, reporting, audit timing, etc.
Chairman: Mr. Bourgeois

WG 3: Guideline for requirements for certification bodies
Chairman: Mr. Morra

voluntary based

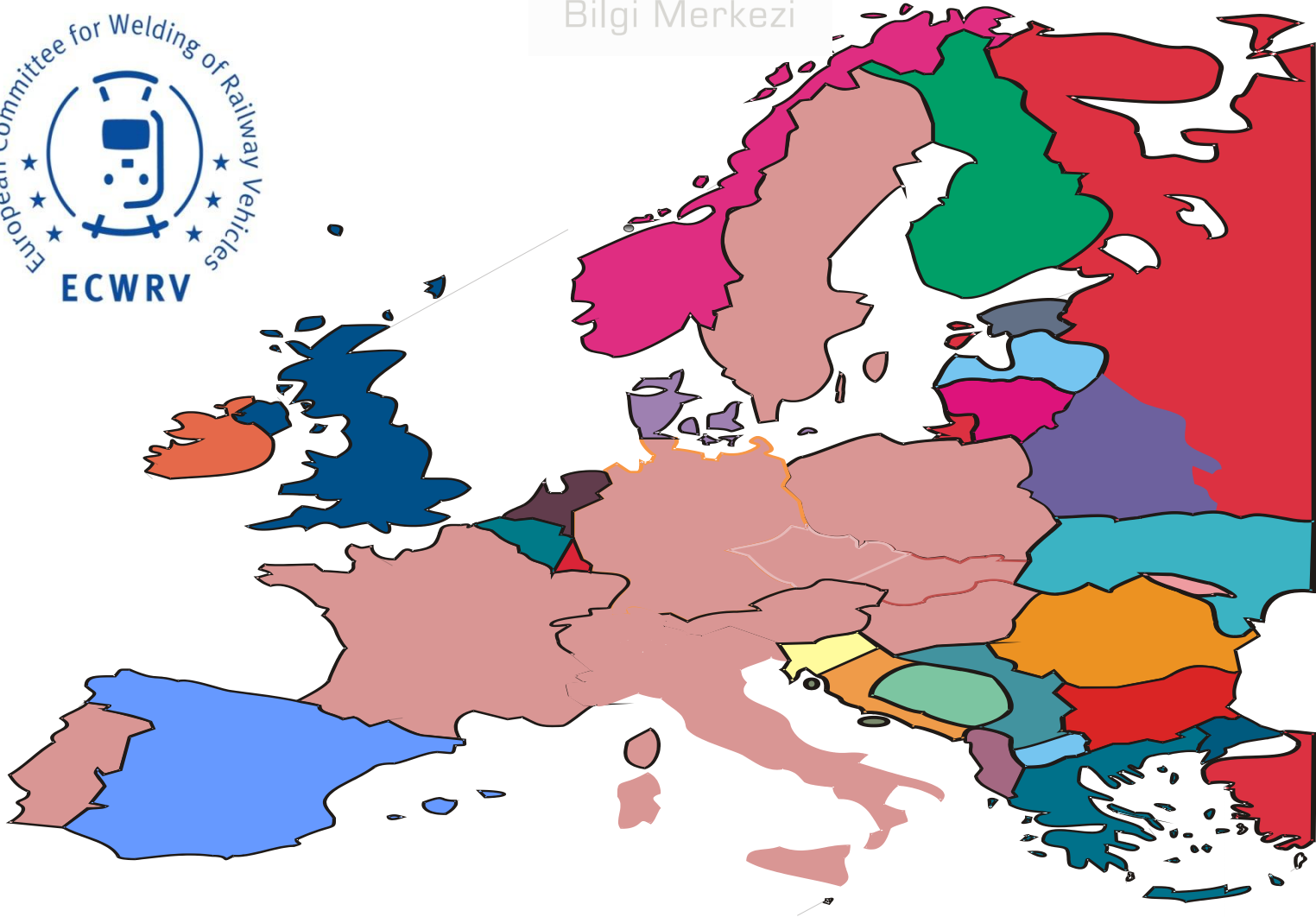
Internet-Database EN 15085 – Certification System
Requirements for Manufacture Certification Bodies according to demands of Industry for welding of railway vehicles

contracted

Examination and Audit Commission of ECWRV
Member: National Safety Authorities NSA, Manufacturer Certification Bodies MCB, Delegates from Industry, Delegate of Internet-Database

ECWRV Member in Europe

GSI SLV
Bilgi Merkezi



Certification Level of EN 15085-2

Certification level certified	Classified certification level			
	CL 1	CL 2	CL 3	CL 4
CL 1	X	✓	✓	✓ ¹⁾
CL 2		X	✓	✓ ²⁾
CL 3			X	
CL 4				X ³⁾

X Certification level certified
✓ Classified certification level

- 1) The certificate for the certification level CL 1 also authorises either construction or purchase or purchase and assembly for all certification levels, **as far as this has been taken into account during certification.**
- 2) The certificate for certification level CL 2 authorises either construction or purchase and sale or purchase and assembly for certification levels CL 2 and CL 3, **as far as this has been taken into account during certification.**
- 3) The certificate for certification level CL 4 authorises either construction or purchase and sale or purchase and assembly for the certification level indicated within the scope of application of the certificate.

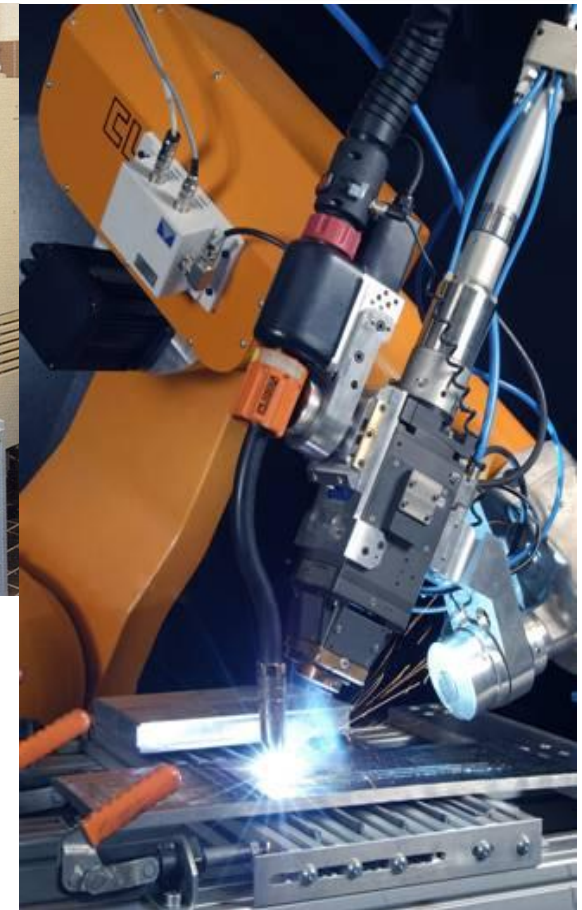
Exchange of Experiences in Welding Technologies and Construction of Railway Vehicles



Resistance Welding



Tandem Arc Welding

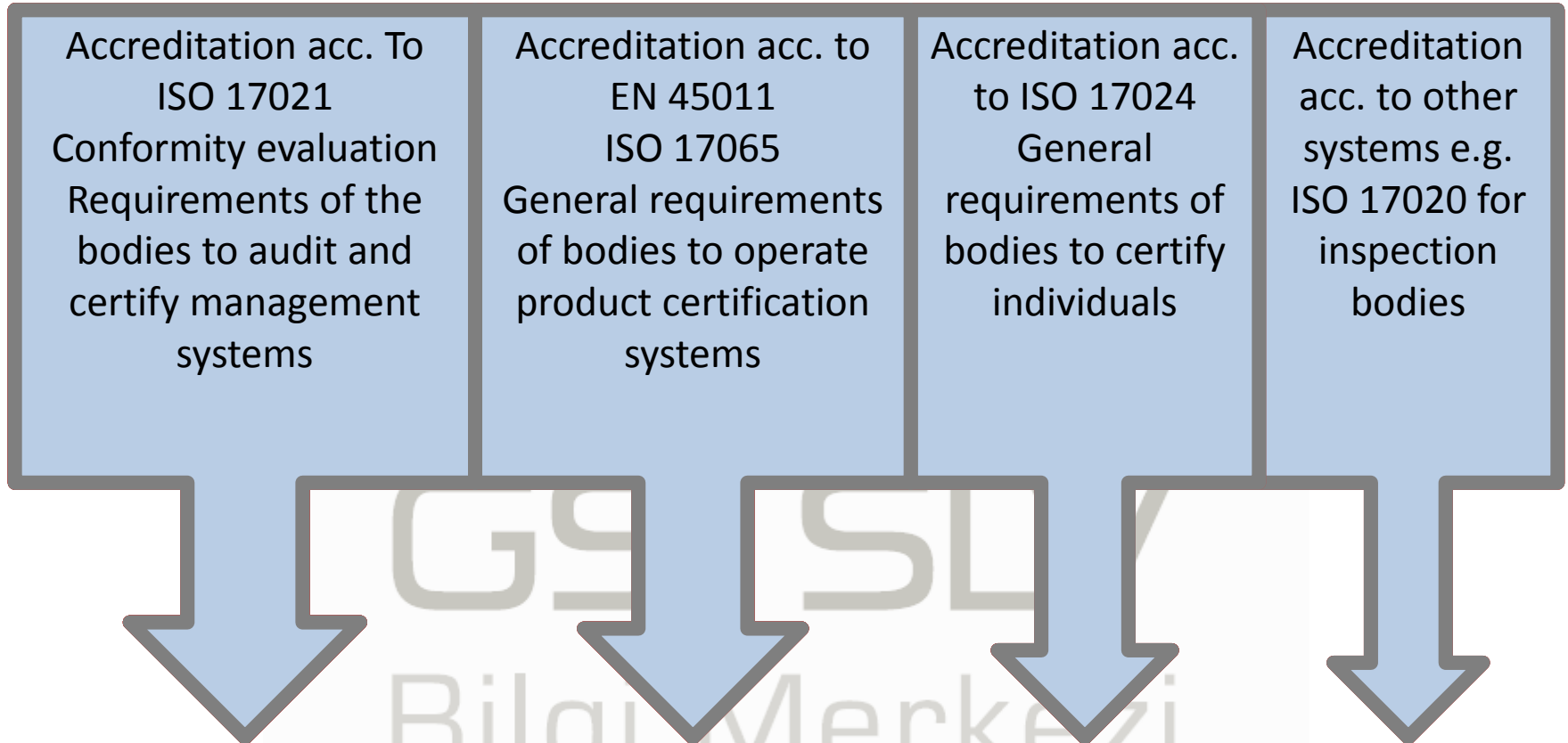


Laser-Hybrid-Welding

Adhasiv Bonding

Normative principles for DAkkS accreditation (technical welding matters)

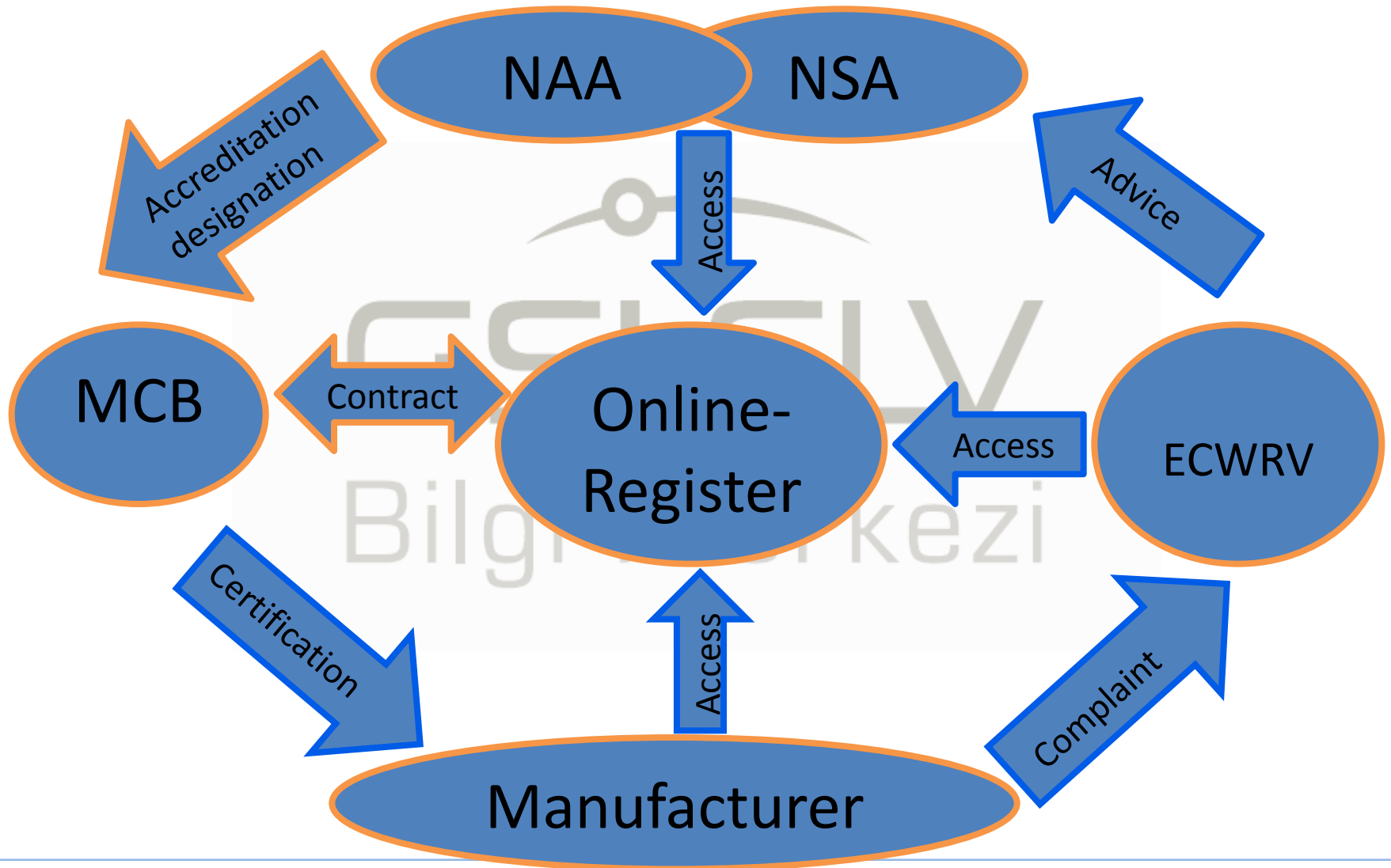
National Accreditation Body (Germany: DAkkS)



Manufacturer certification bodies

Online register EN 15085

Key element of quality assurance

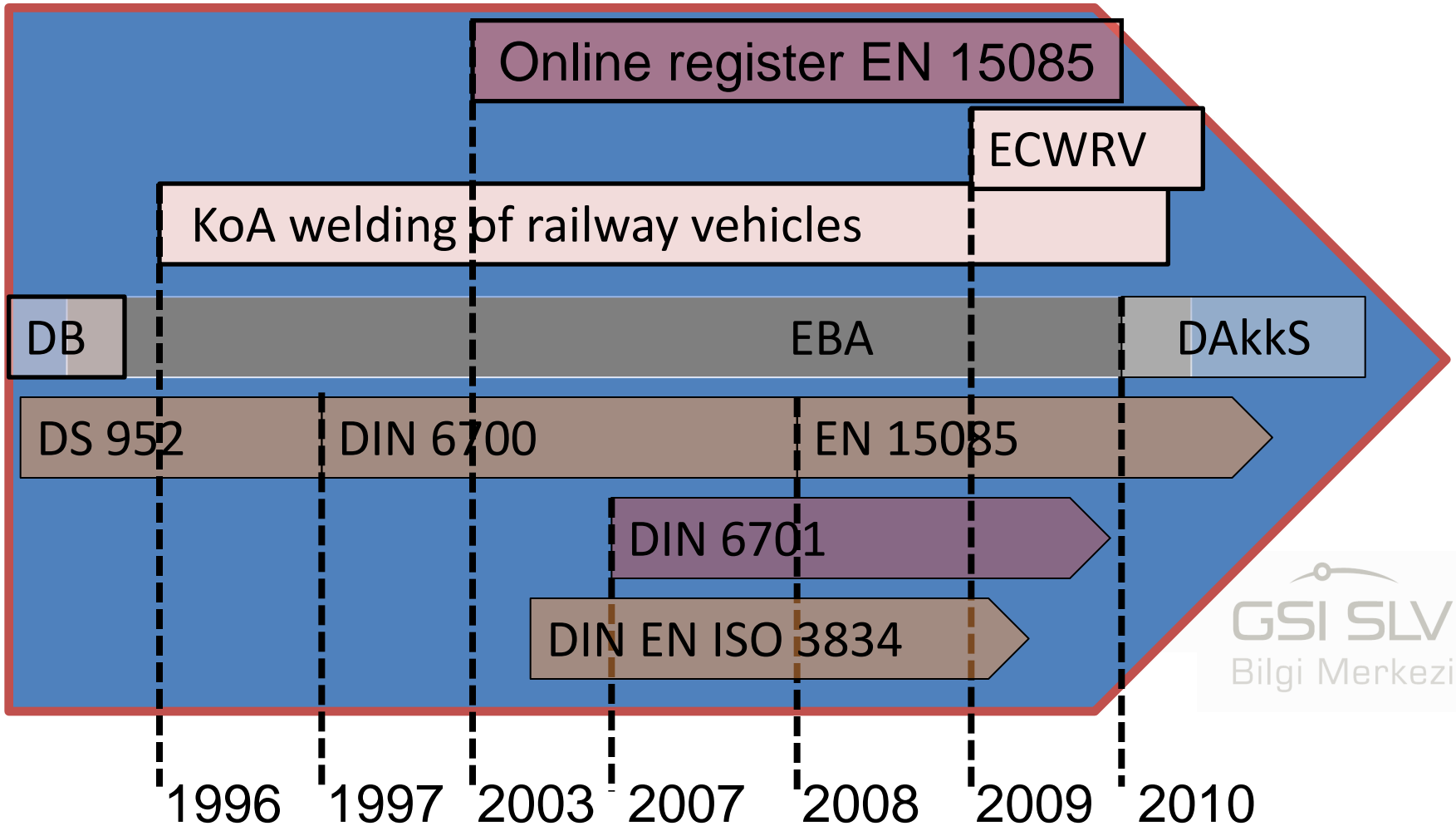


Look to the past to understand the future!

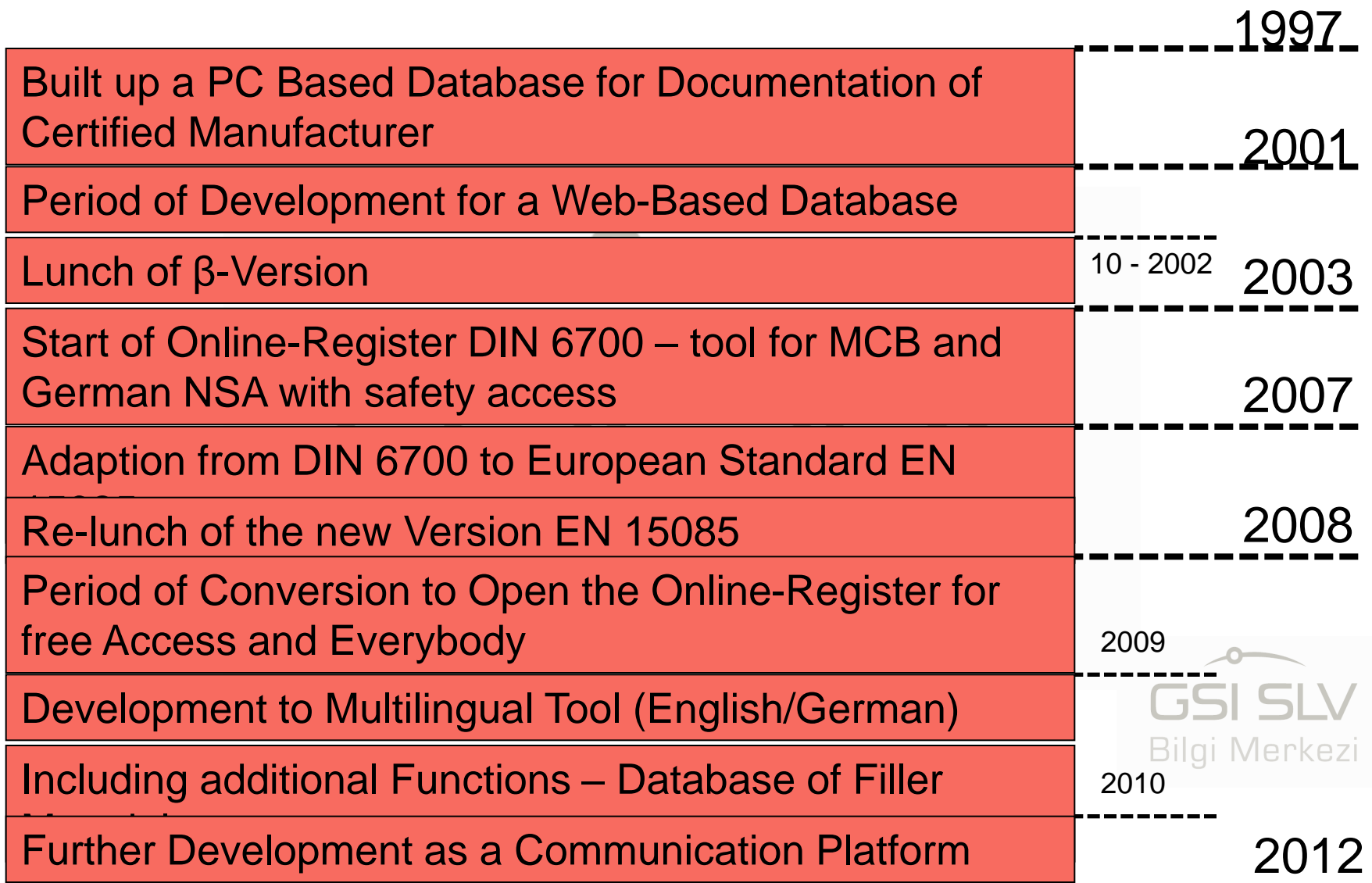


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Stages of development relating to quality assurance in welding for railway vehicles (Germany/Europe)



Historical Development of Online-Register EN 15085



Why did we need an Online-Register?

Realization of Demands of Standard EN 15085 in Organization

- Work scale of Welding Coordinator (number of job shop)
- External Responsible Welding Coordinator
- Validity of Certificate

Unknown Change of MCB

Looking for Manufacturers as Supplier depending on

- Location
- Range of Certification

The Industry trust in technical competence and quality of MCB how are member of the Online-Register!

Facts about Online-Register EN15085

Companies registered in total:

2152 (per 4th of December 2012)

2247 (per 18th of April 2013)

Companies for welding of railway vehicles in Turkey:

59 (per 4th of December 2012)

61 (per 18th of April 2013)

Requirements of Online-Register

Multilingualism

direct data input

daily up to date of certificates

European wide and worldwide accessible

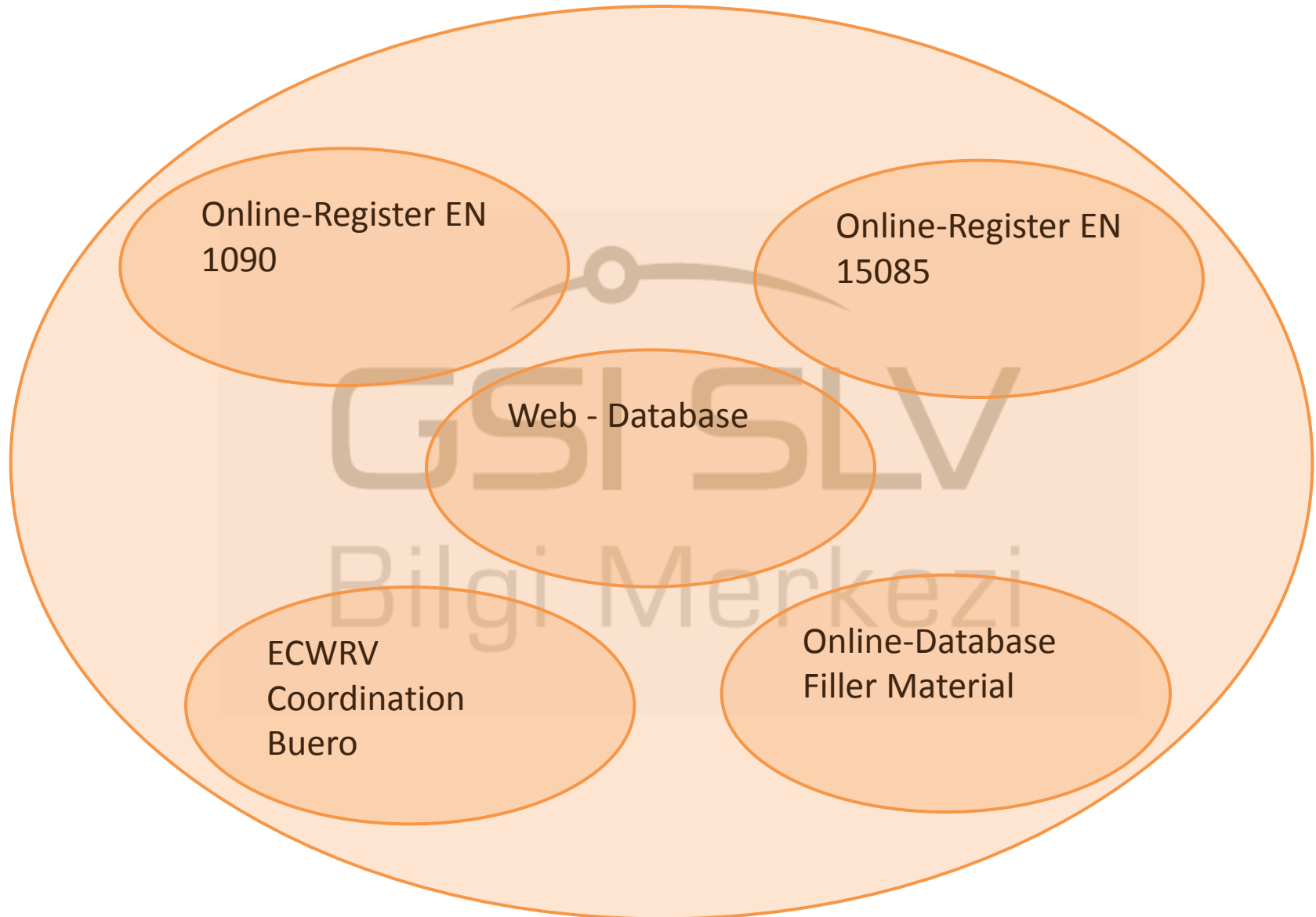
maximum of transparency – authenticity of certificates

quality controlled of MCB by costumer, NSA and ECWRV

self responsibility of MCB according data input

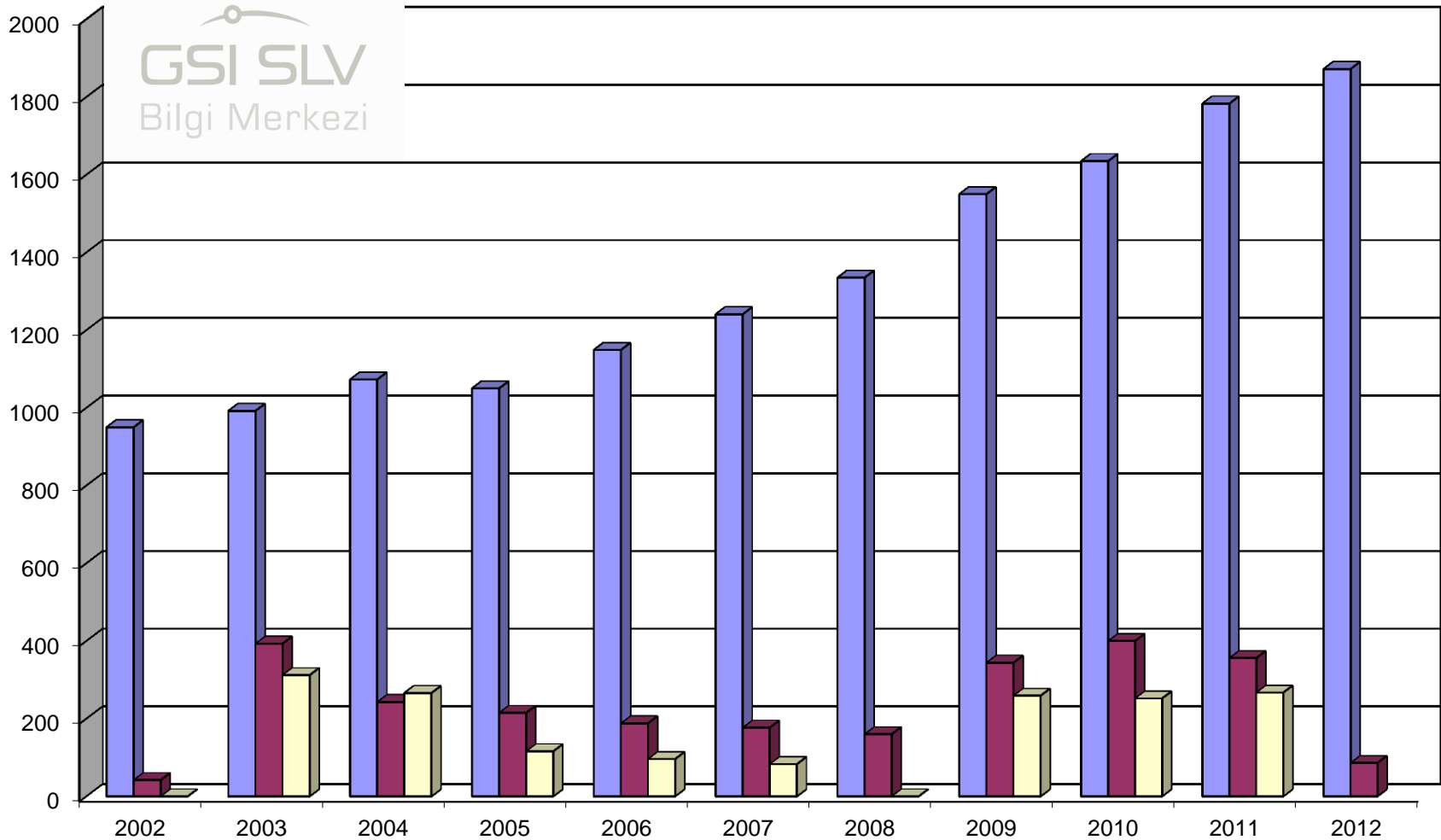
Included print function leads to identical certificates

Communication Platform



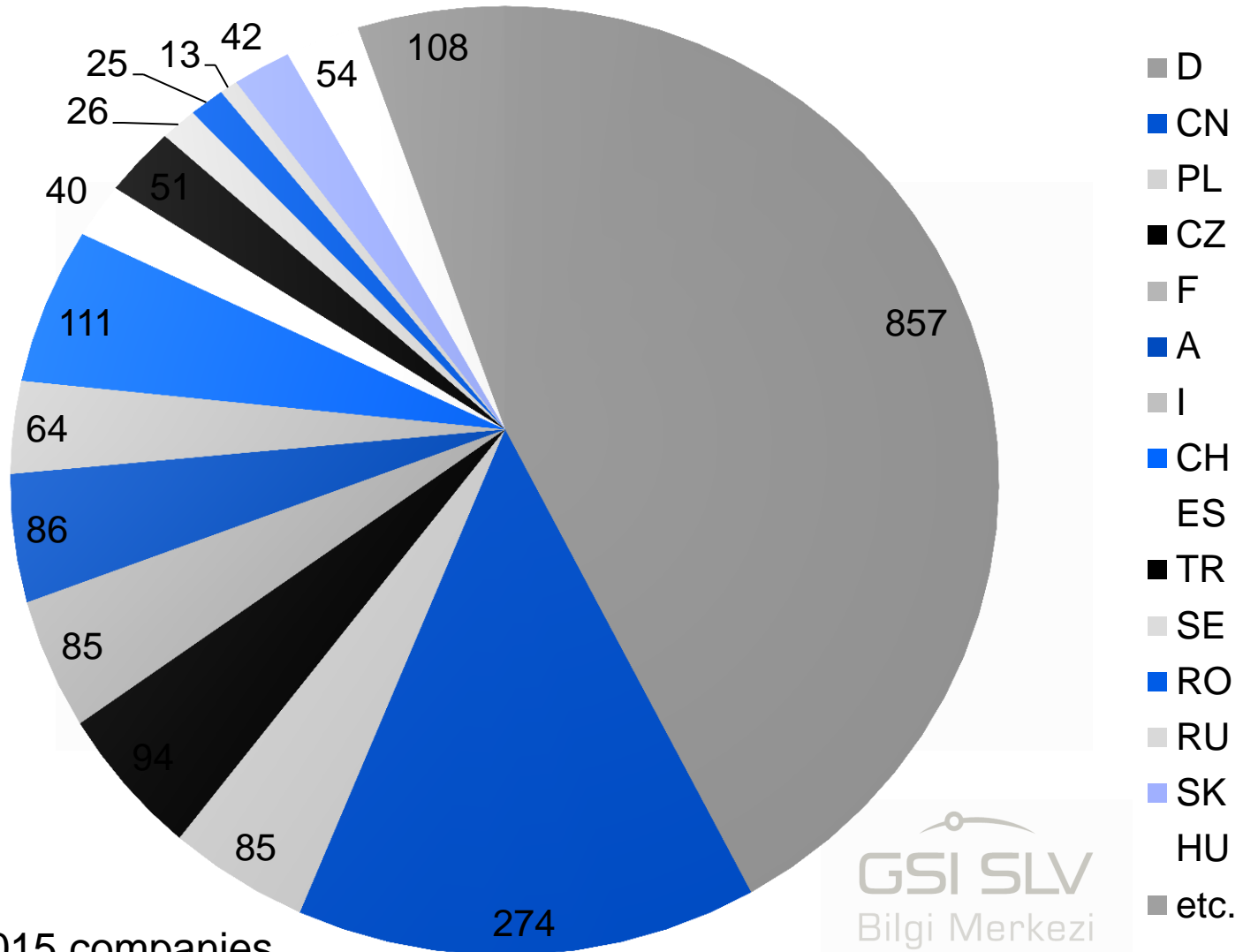
Facts of Development Online-Register EN 15085

07.05.2012, current number 2015



■ Gesamtanzahl ■ neu Zertifikate ■ ausgelaufene Zertifikate

Distribution Certificates per Country



ECWRV on InnoTrans 2012, Berlin



ECWRV – European Committee for Welding of Railway Vehicles



Exhibitors InnoTrans 2012

- GSI – Gesellschaft für Schweißtechnik International mbH, Duisburg
- Bureau Veritas Germany
- SVV Praha

GSI SLV

Bilgi Merkezi

International Trade Fair Joining Cutting Surfacing 16. – 21. September 2013, Essen Germany



- Meeting and Discussion Forum of ECWRV on the DVS Booth
- Presentation of the Online-Register

Thanks for Attention

