



European Authorisation Protocol for Rail

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GLOBAL EDUCATION DIALOGUES
The East Asia Series
2013-2014





- Countries of the European Community
- The EC Railway Vision
- European Rail Legislation
- The Players
- Placing into Service
- Opportunities for ASEAN Community



- University
- Government
- Private Sector

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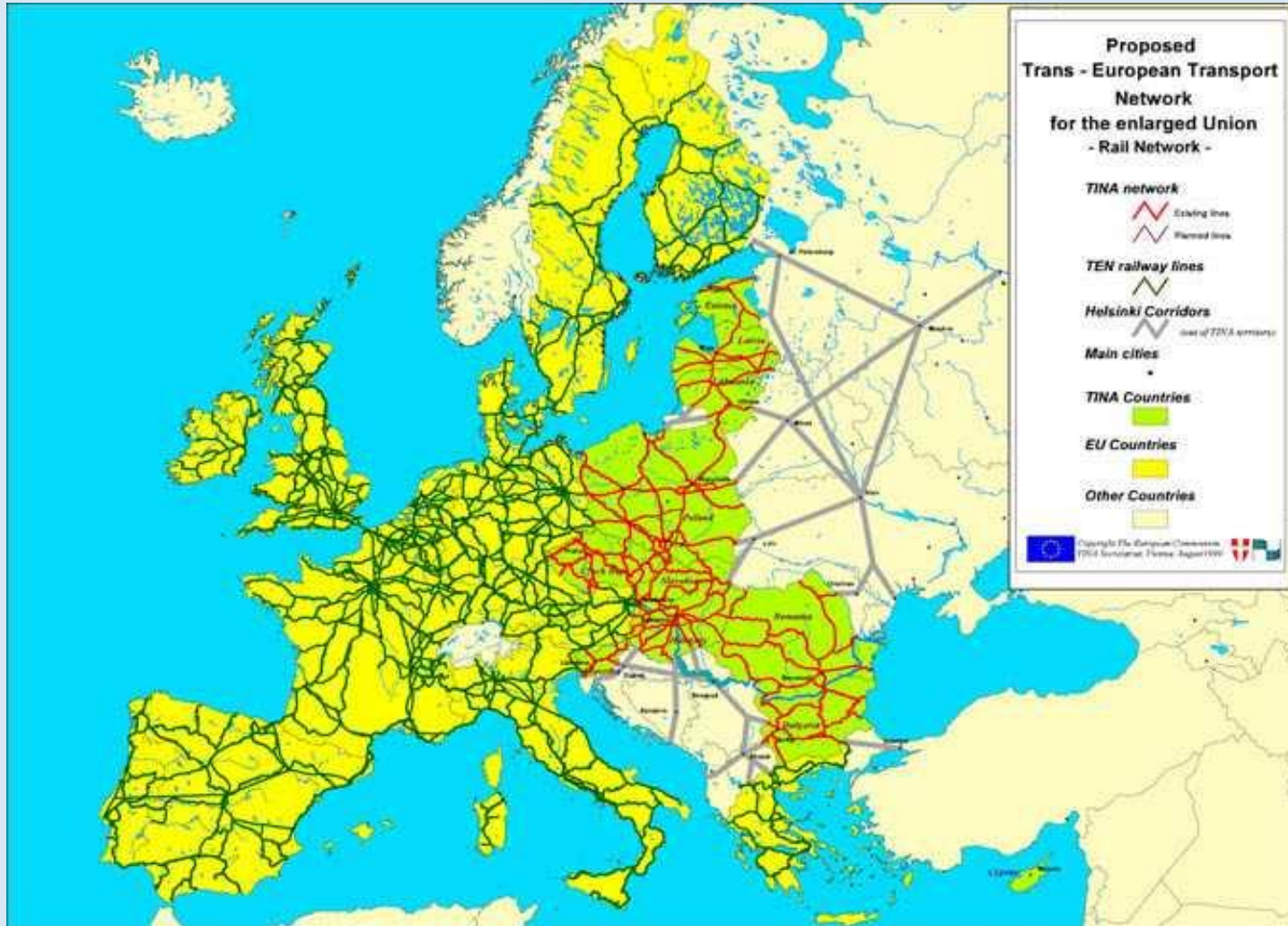


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27 Countries of the EC





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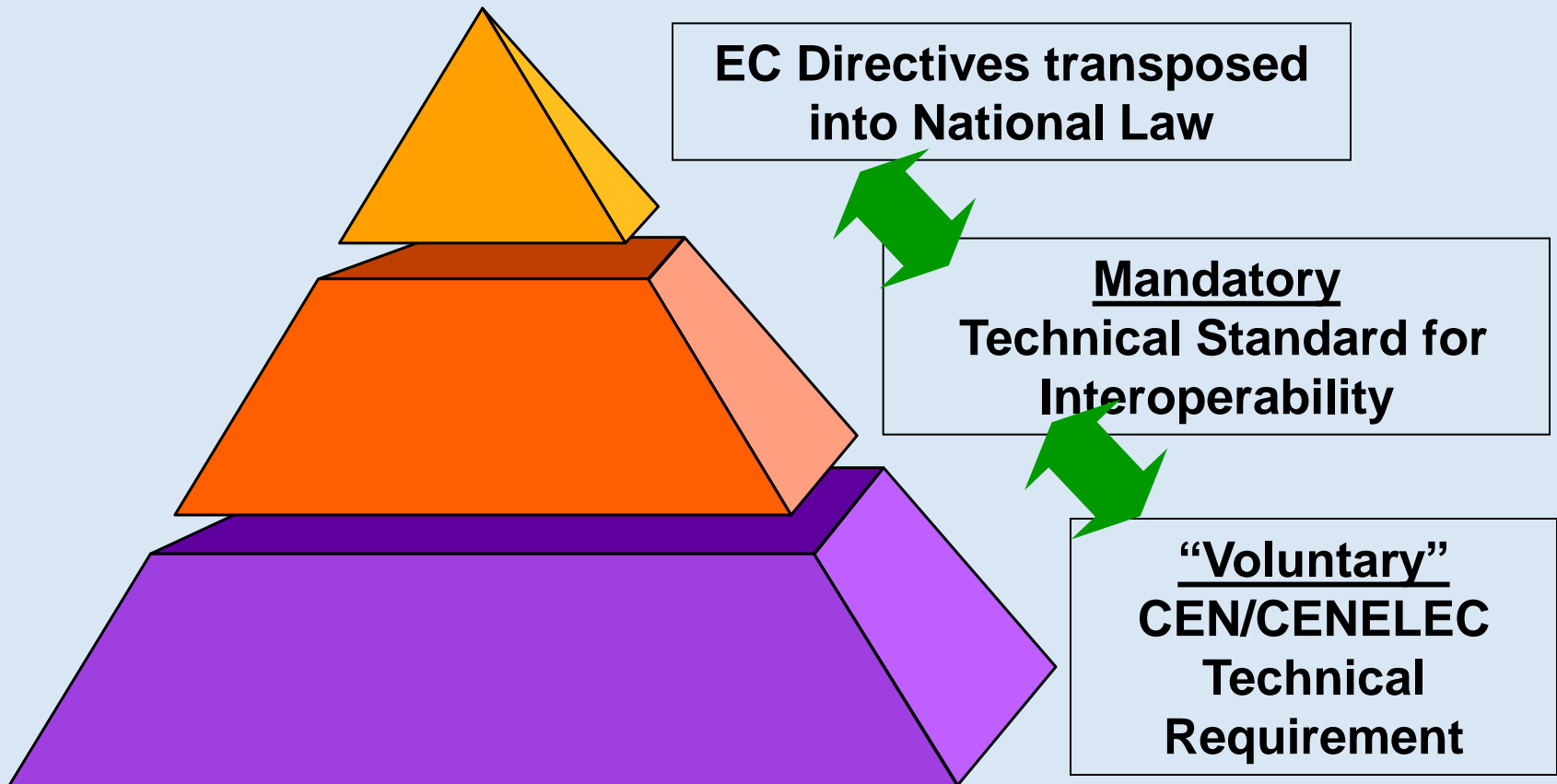
The Vision!

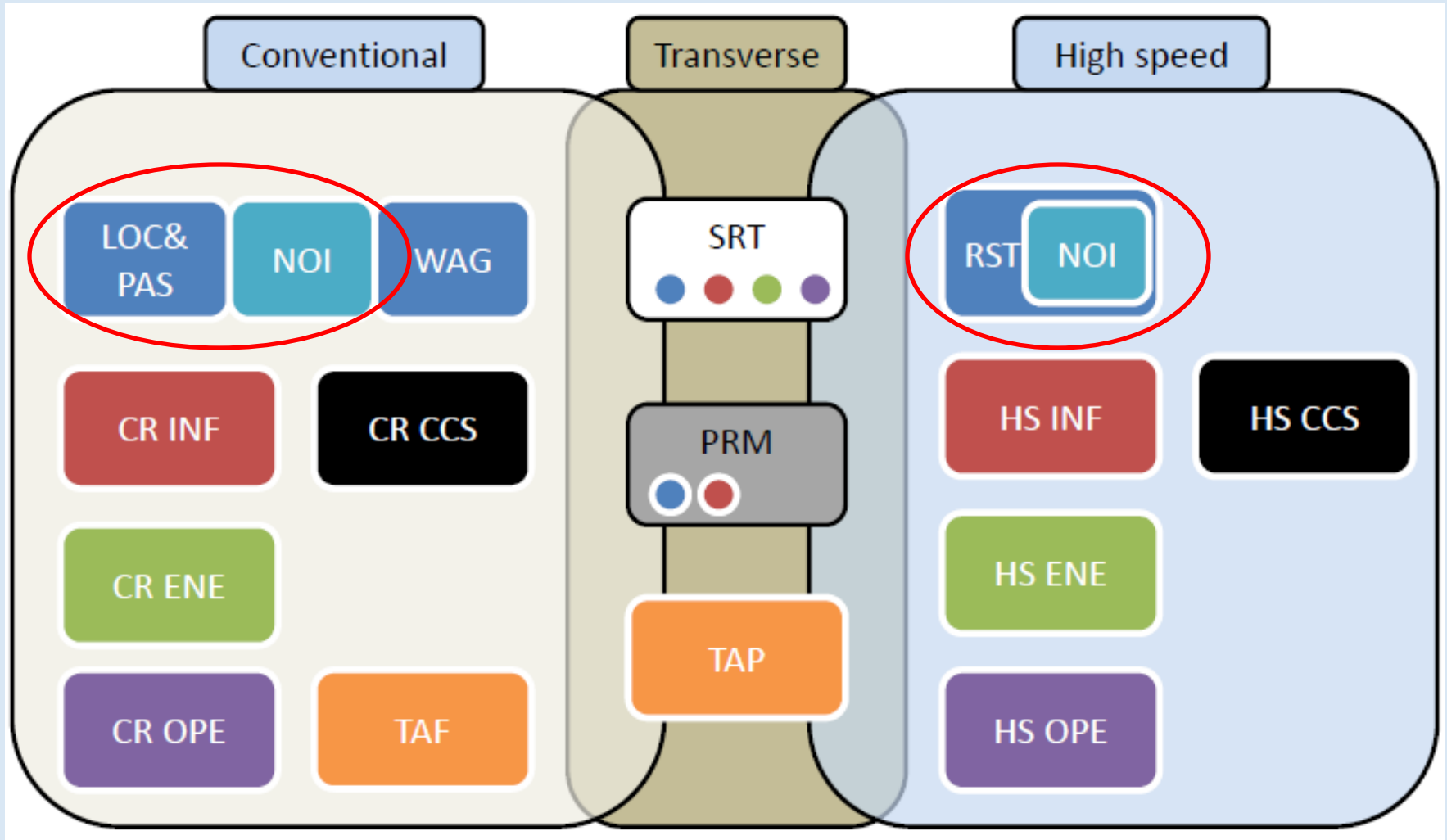


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- Professional Permanent Structure of ERA
- WGs manned with 350+ experts
- UNIFE, CER, NSAs & EIM
- Safety assessment system
- Texts drafted and Open Points defined
- **Research to close Open Points**
- Utilises Triple Helix principle

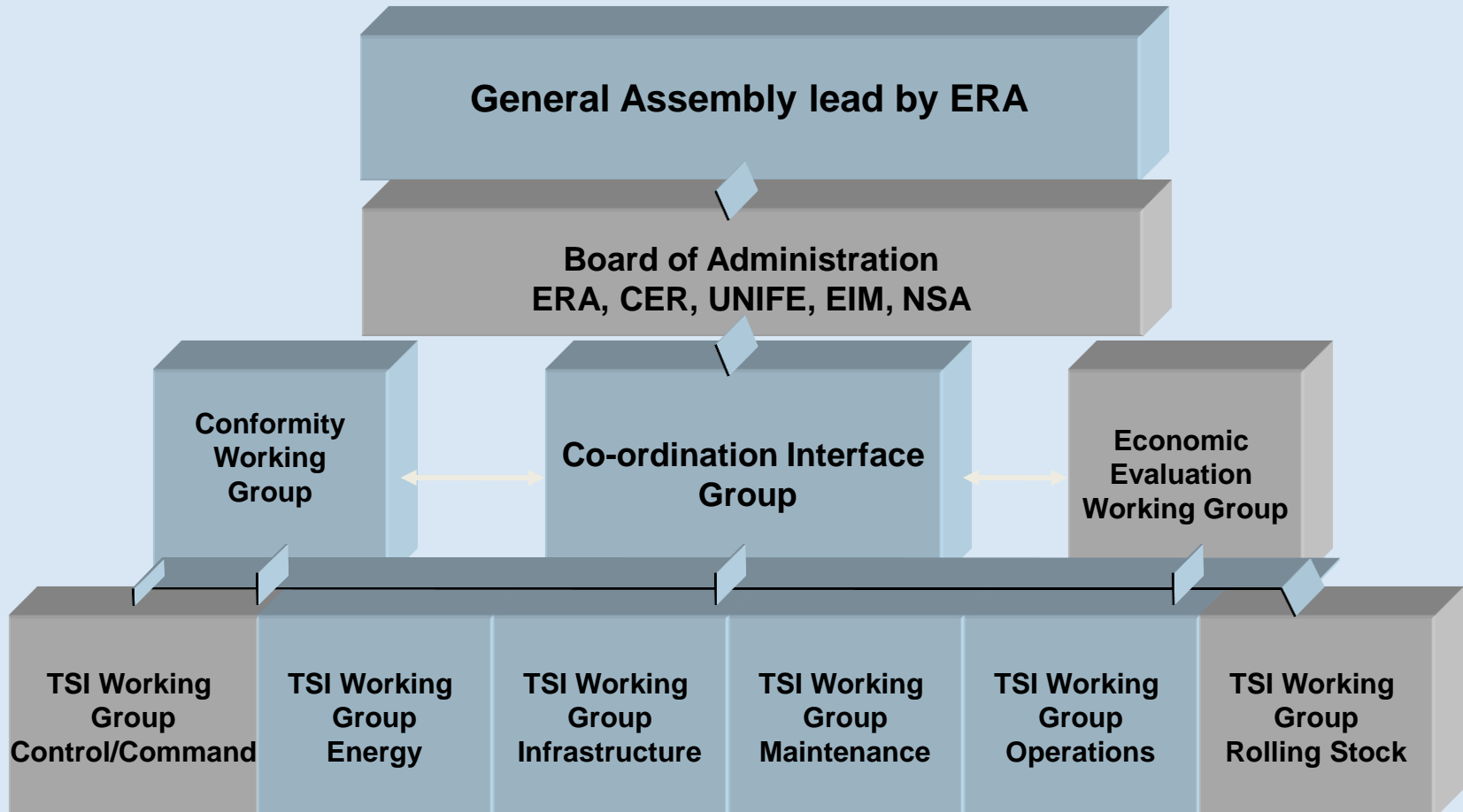
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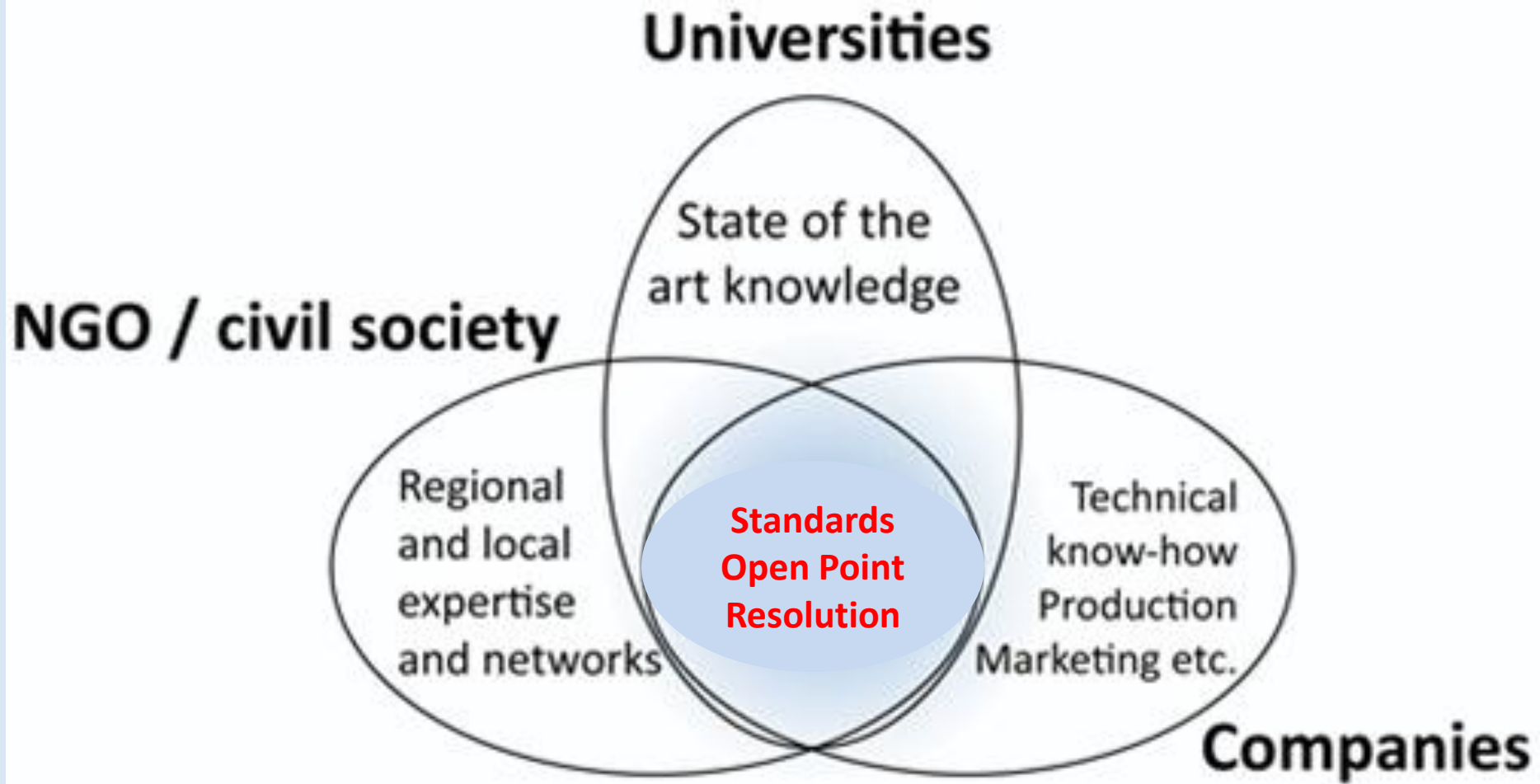


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Key Players

- ERA – European Rail Agency
- CER – Association of European Rail Operators
- UNIFE – Association of Rail Suppliers
- EIM – Association of Infrastructure Managers
- NSA – National Safety Agencies





Open Point Closure

- ERA Identified the priorities
- Industry developed the team
- Academia prepare research proposal
- Involving cross country team
- EC supplied the funded
- Resulting in CEN standard
- Mandated in EC Directive



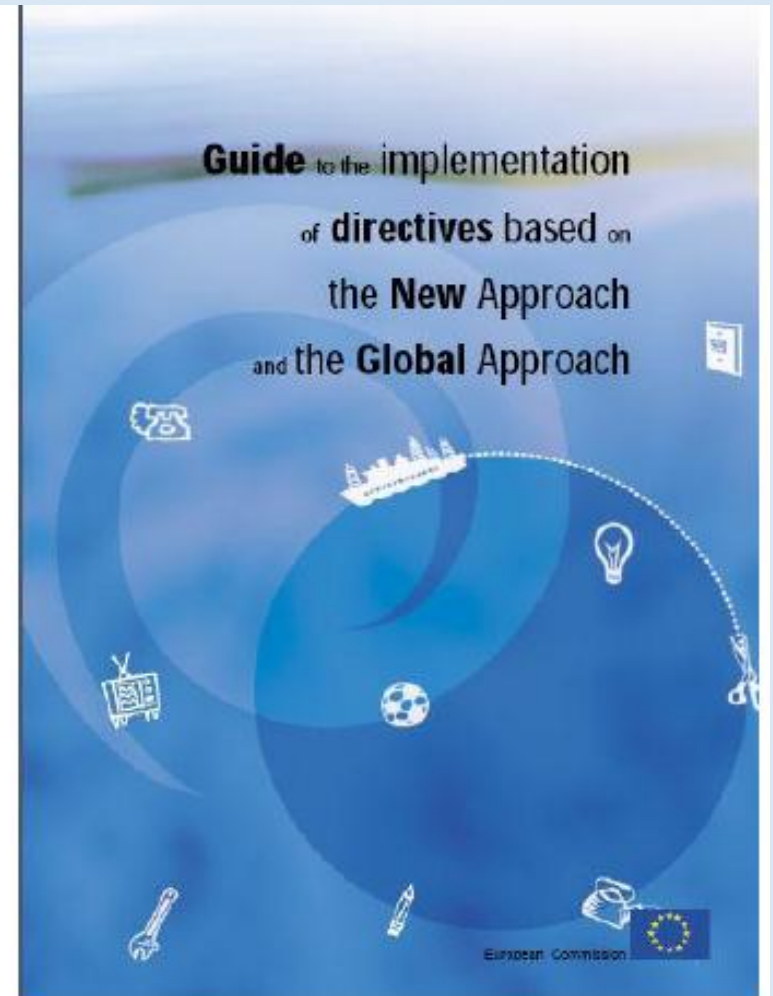
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TSI Conformity assessment

- ❖ **Notified bodies** are in charge to apply the procedures of evaluation of the conformity of subsystems and ICs
- ❖ **Members States** are responsible for their notification
- ❖ **The task of the notified body responsible for the EC verification of a subsystem** shall begin at the design stage and cover the entire manufacturing period through to the acceptance stage before the subsystem is placed in service.



Entity	Reference /input	Result
Notified Body	TSI assessment using the assessment modules	Certificate of verification
Applicant	Certificate of verification	EC Declaration of verification
National safety Authority	EC Declaration of verification + NNTR & SCs	Authorisation for placing into service

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- ASEAN Transport Policy exists
- No ASEAN centralised Rail Authority
- Lack of Standards
- Lack of Authorisation Process
- General lack of expertise
- Supply base outside the community



■ University
■ Government
■ Private Sector



- Revisit the Community Transport Policy
- Mirror the European experience
- Establish ASEAN Rail Agency
- Formulate Standards
- Authorisation Process



■ University
■ Government
■ Private Sector



- Engineer Accreditation
- Rail System Accreditation
- Rail Standards Organisation
- Rail Authorisation Organisation



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- European Rail Authorisation Protocol
- Application Triple Helix Principle
- ASEAN Rail Authorisation Protocol
- **Opportunity Now**
- Utilise Triple Helix principles
- Involvement
- Mirror EC system in ASEAN Community
- ASEAN Community Transport Policy



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