



PROFESSIONAL RECOGNITION FOR CIVIL ENGINEERS

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ATHENS
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- EUROPEAN COUNCIL OF CIVIL ENGINEERS



PROFESSIONAL RECOGNITION

REMEMBERING.....

WHAT WE DID
IN BUCHAREST



PROFESSIONAL RECOGNITION

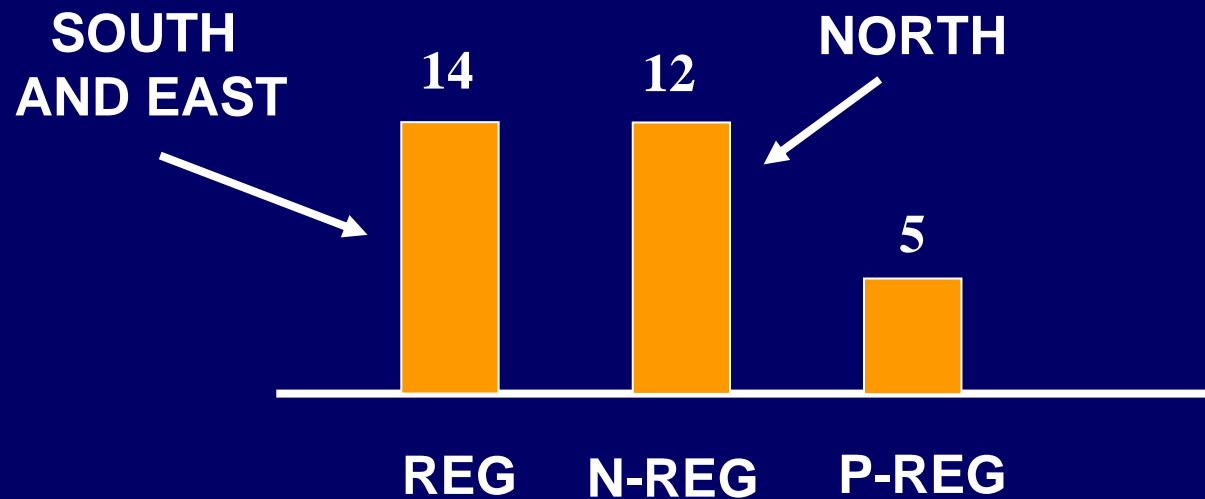
1. CIVIL ENGINEERING IN EUROPE



PROFESSIONAL RECOGNITION

CIVIL ENGINEERING IN EUROPEAN COUNTRIES

(EUROPE 27 + 4)





PROFESSIONAL RECOGNITION

2. THE E.C. DIRECTIVE RECOGNITION OF PROFESSIONAL QUALIFICATIONS



PROFESSIONAL RECOGNITION

ECCE ALTERNATIVE

THE ECCE COUNTRIES DO NOT NEED
A COMMON PLATFORM IF THEY REACH
AN INTERNATIONAL AGREEMENT



PROFESSIONAL RECOGNITION

3. WHAT IS A CIVIL ENGINEER ?



PROFESSIONAL RECOGNITION



THE CIVIL ENGINEER CARTA

1. A civil engineer is a professional, academically educated and practice-oriented who uses his scientific, technical and other pertinent knowledge to perform, with ethics, civil engineering acts, aiming to contribute to a sustainable world, with a better quality of life.

2. Examples of civil engineer acts are:

At planning/design phase :

- Structural design;
- Building physics and piping design;
- Tunnelling and ground solutions design;
- Roads and other communication infrastructures planning/design;
- Water and sanitary infrastructures planning/design;
- River, coastal and offshore infrastructures planning/design;
- Urban and environment planning/design;
- Safety planning.

During construction of buildings and infrastructures:

- Technical supervision;
- Construction and demolition management and supervision;
- Materials production;
- Safety, health and environment management.

During operation and maintenance of buildings and infrastructures:

- Building investments management;
- Inspection, maintenance and repair;
- Operation and decommissioning management.

In general:

- Research and teaching civil engineering;
- Project and design management.

3. The civil engineer knowledge is obtained from academic studies, professional experience and life-learning education.

4. Based on his knowledge, the acts that each civil engineer should perform may be defined in each country by a national institution, where appropriate.



PROFESSIONAL RECOGNITION

2. THE CIVIL ENGINEER ACTS

2.1 At planning/design phase :

- Structural design;
- Building physics and piping design;
- Tunnelling and ground solutions design;
- Roads and other communication infrastructures planning/design;
- Water and sanitary infrastructures planning/design;
- River, coastal and offshore infrastructures planning/design;
- Urban and environment planning/design;
- Safety planning.



PROFESSIONAL RECOGNITION

2. THE CIVIL ENGINEER ACTS

2.2 During construction of buildings and infrastructures:

- Technical supervision;
- Construction and demolition management and supervision;
- Materials production;
- Safety, health and environment management.



PROFESSIONAL RECOGNITION

2. THE CIVIL ENGINEER ACTS

2.3 During operation and mainten. of buildings and infrastructures:

- Building investments management;
- Inspection, maintenance and repair;
- Operation and decommissioning management.

2.4 In general:

- Research and teaching civil engineering;
- Project and design management.



PROFESSIONAL RECOGNITION

3. KNOWLEDGE

The civil engineer knowledge is obtained from academic studies, professional experience and life-learning education.



PROFESSIONAL RECOGNITION

4. PROFESSIONAL ASSOCIATIONS

Based on his knowledge, the acts that each civil engineer should perform may be defined in each country by a national institution, where appropriate.



PROFESSIONAL RECOGNITION

**4. WHAT ARE THE
PROBLEMS TO BE ENGINEER
IN A FOREIGN COUNTRY ?**



PROFESSIONAL RECOGNITION

4.1 LANGUAGE



PROFESSIONAL RECOGNITION

**CIVIL ENGINEERING ACTS
MUST BE PERFORMED
IN HOST COUNTRY LANGUAGE**

EXAMPLE:

- DESIGN DOCUMENTS IN HOST COUNTRY LANGUAGE
- CONSTRUCTION CONTROL WITH TRANSLATOR



PROFESSIONAL RECOGNITION

4.2 ETHICS, TECHNICAL AND ADMINISTRATIVE REGULATIONS



PROFESSIONAL RECOGNITION

ETHICS, TECHNICAL AND ADMINISTRATIVE REGULATIONS FROM HOST COUNTRY

EXAMPLE:

- EUROPEAN CODES
- HOST COUNTRY CODES



PROFESSIONAL RECOGNITION

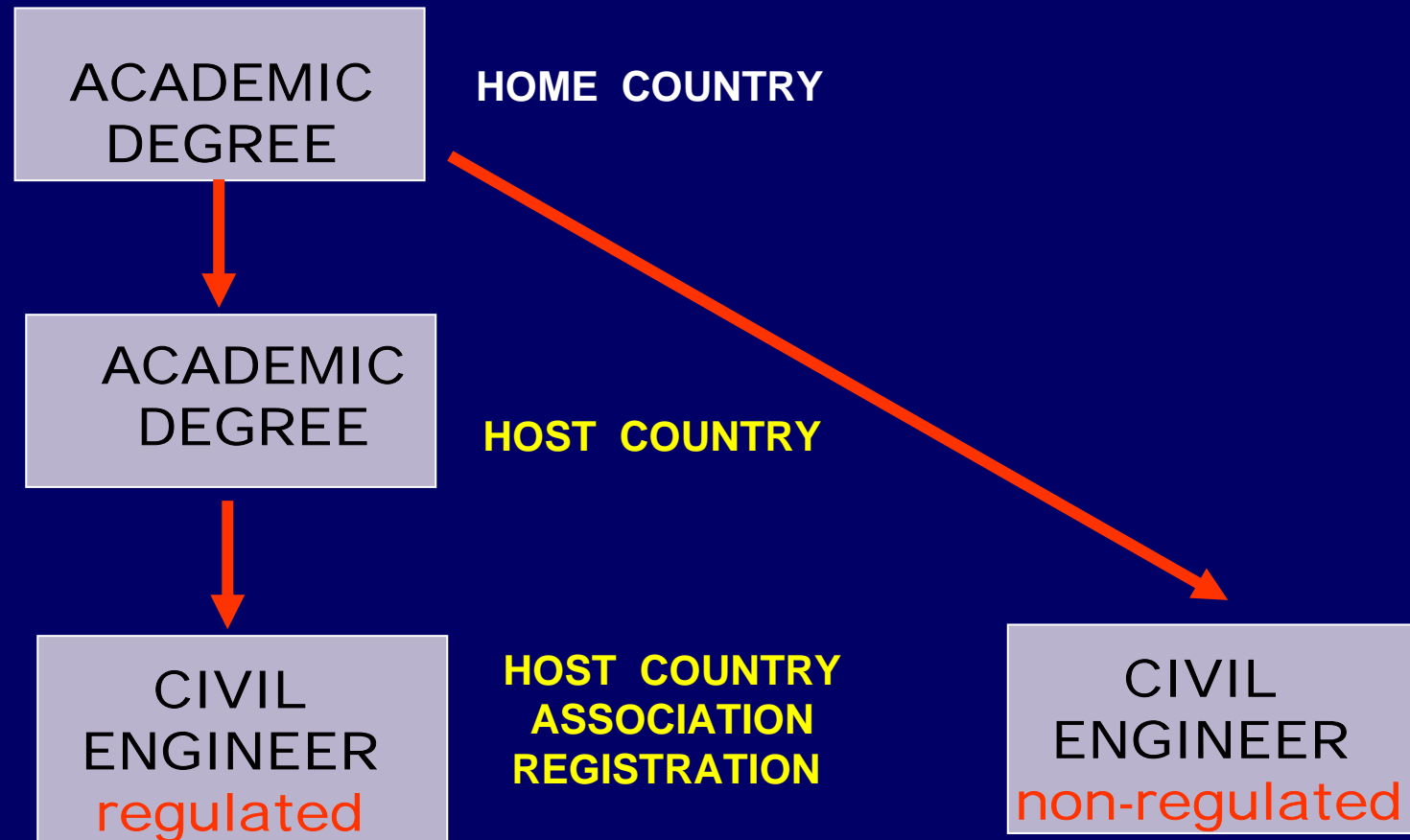
4.3 PROFESSIONAL RECOGNITION STRATEGIES

THE BIG DISCUSSION !!



PROFESSIONAL RECOGNITION

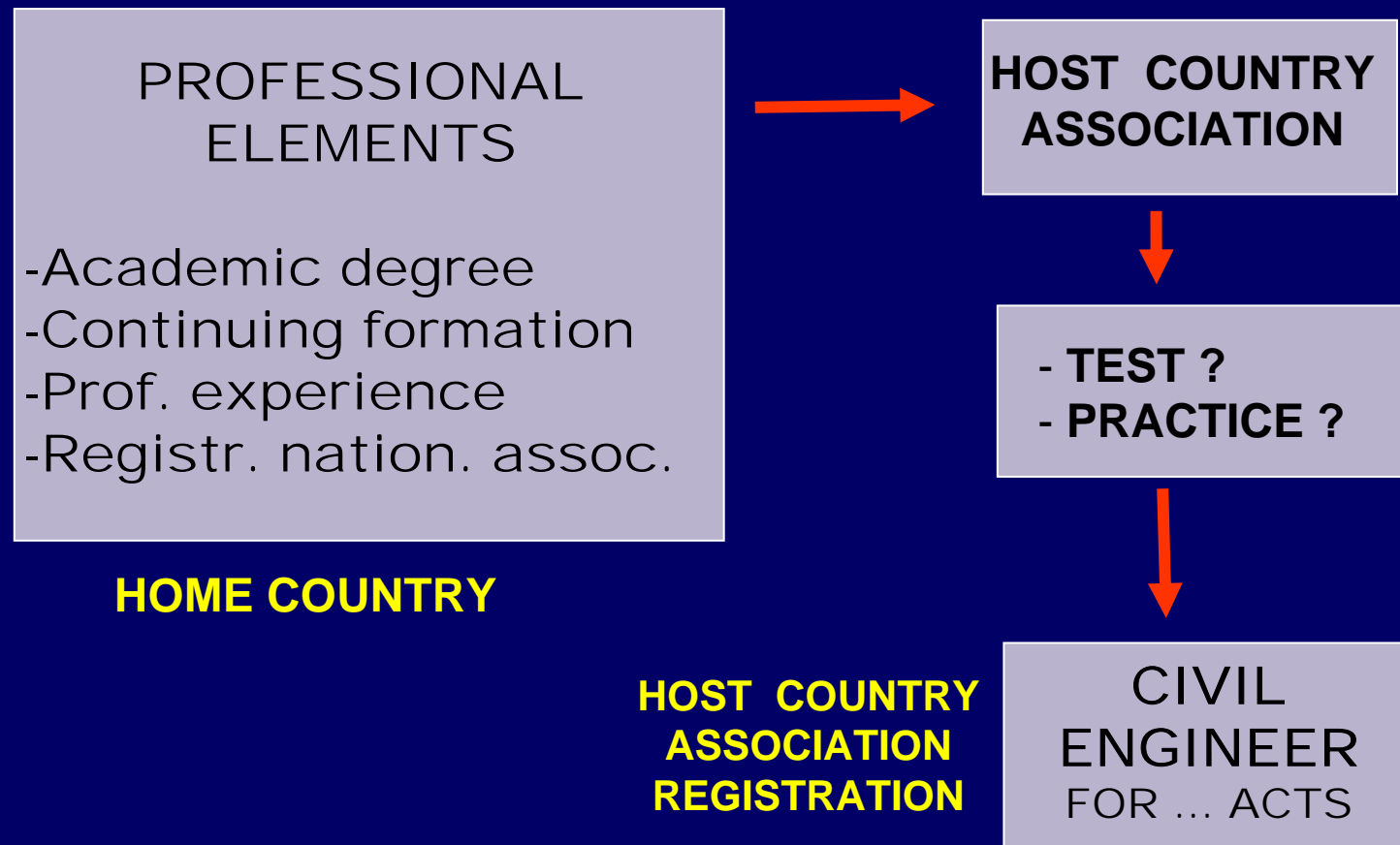
1. ACADEMIC APPROACH





PROFESSIONAL RECOGNITION

2. HOST ASSOCIATION APPROACH





PROFESSIONAL RECOGNITION

3. ECCE CIVIL ENGINEER APPROACH

ECCE SUPERVISION BOARD

PROFESSIONAL ELEMENTS

- Academic degree certif.
- Continuing formation certif.
- Indication of prof. acts.
- Prof. experience of 7 years
- Control of prof. exp.
- Registr. nation. **institution**

HOME COUNTRY

**HOME COUNTRY
INSTITUTION**

**ECCE CIVIL
ENGINEER
FOR ... ACTS**

**ALL HOST
COUNTRIES**





PROFESSIONAL RECOGNITION

5. DECISIONS TAKEN IN BUCHAREST



PROFESSIONAL RECOGNITION

CONCLUSIONS FROM BUCAREST

1. THERE WAS A GENERAL APPROVAL OF CIVIL ENGINEER CARTA AND ACTS
2. CORRECTION DETAILS WILL BE SUBMITTED BY MEMBERS TILL END OF JULY
Corrections were introduced.
3. APPROVAL OF FOREIGN POLICY RELATED TO LANGUAGE AND CODES
4. VOTING OF STRATEGIES FOR PROFESSIONAL RECOGNITION TILL END OF JULY:
 - HOST ASSOCIATION APPROACH; **(more support)**
 - ECCE CIVIL ENGINEER.



PROFESSIONAL RECOGNITION

AND NOW

ATHENS



PROFESSIONAL RECOGNITION

PROFESSIONAL
RECOGNITION
STRATEGIES
FOR REGULATED
COUNTRIES



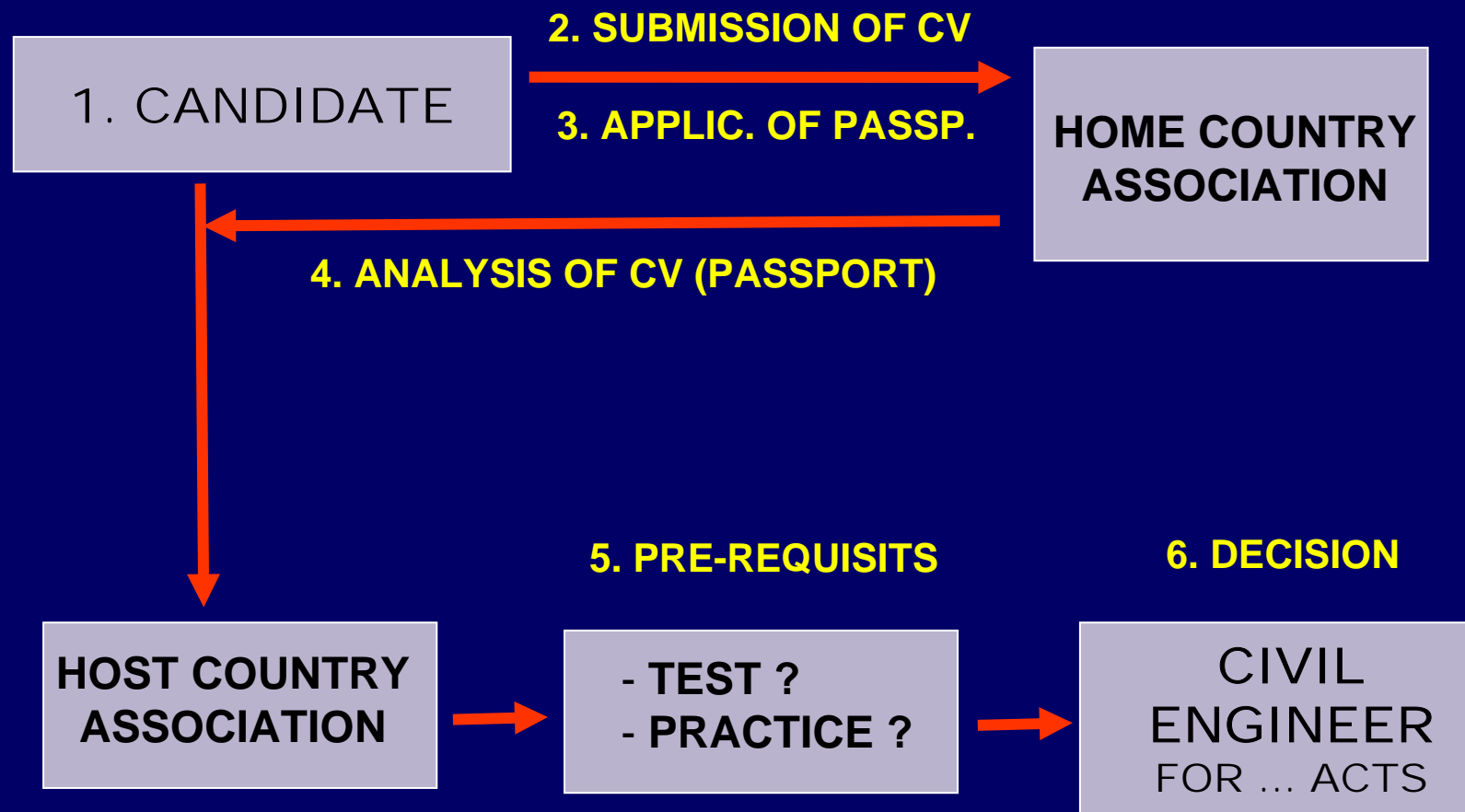
PROFESSIONAL RECOGNITION

PROPOSAL
FOR DISCUSSION



PROFESSIONAL RECOGNITION

PROPOSAL FOR REGULATED COUNT.





PROFESSIONAL RECOGNITION

1. CANDIDATE

FIRST STEP FOR DISCUSSION

ONLY:

- a) BOLOGNA MASTERS**
- b) PRE- BOLOGNA WITH AT LEAST
4 YEARS ACADEMIC COURSE**
- c) MINIMUM OF 2 YEARS EXPERIENCE**



PROFESSIONAL RECOGNITION

CANDIDATE

2. SUBMISSION OF CV

CURRICULUM

- a) Academic degrees with disciplines
- b) Professional experience
- c) Other studies in civil engineering



PROFESSIONAL RECOGNITION

CANDIDATE

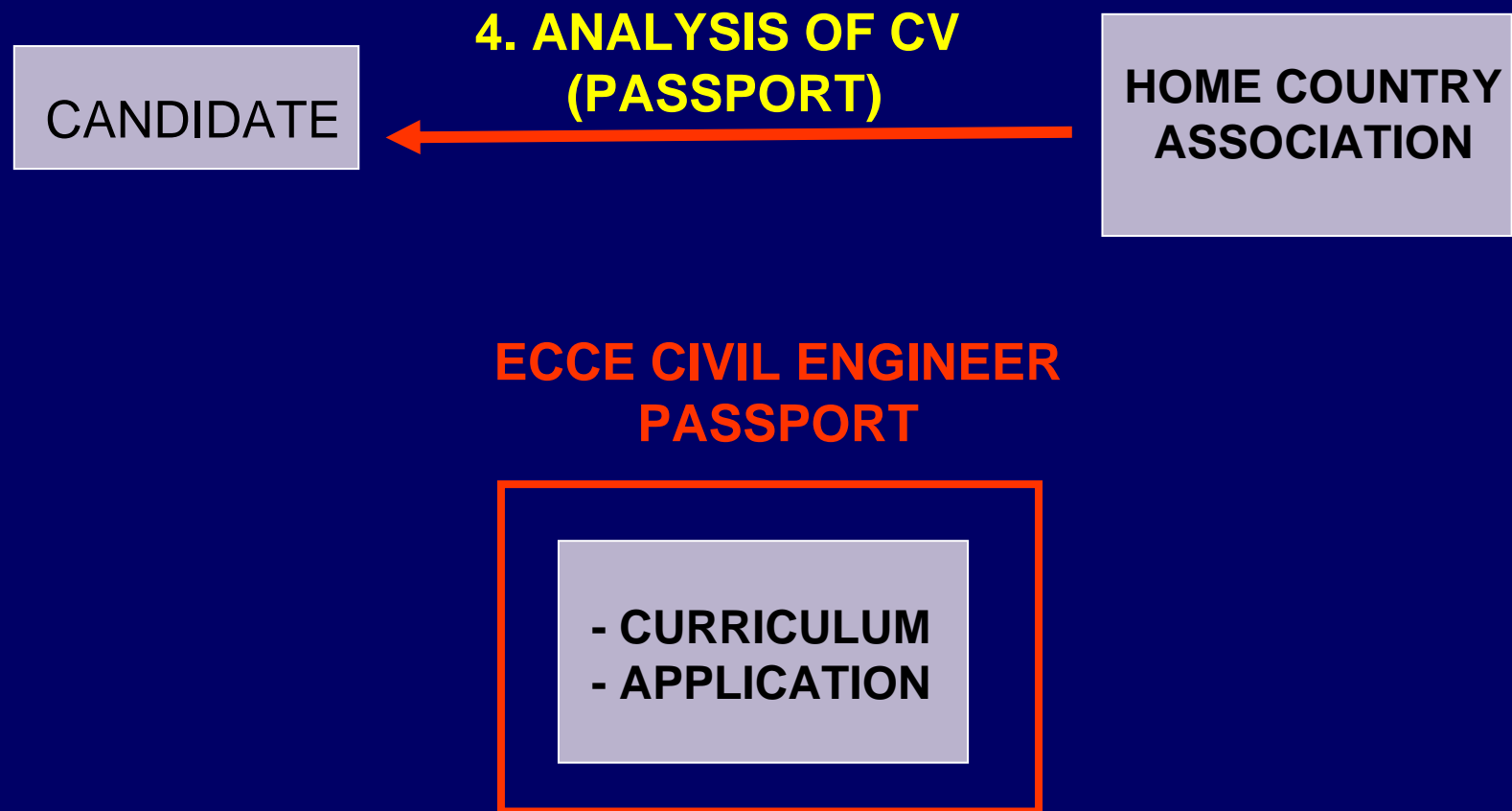
3. APPLICATION OF PASSPORT

APPLICATION

- a) Intention to work as civil engineer in europe performing the following civil eng. acts
- b) Declaration that the acts will be performed according to host country codes and language



PROFESSIONAL RECOGNITION





PROFESSIONAL RECOGNITION

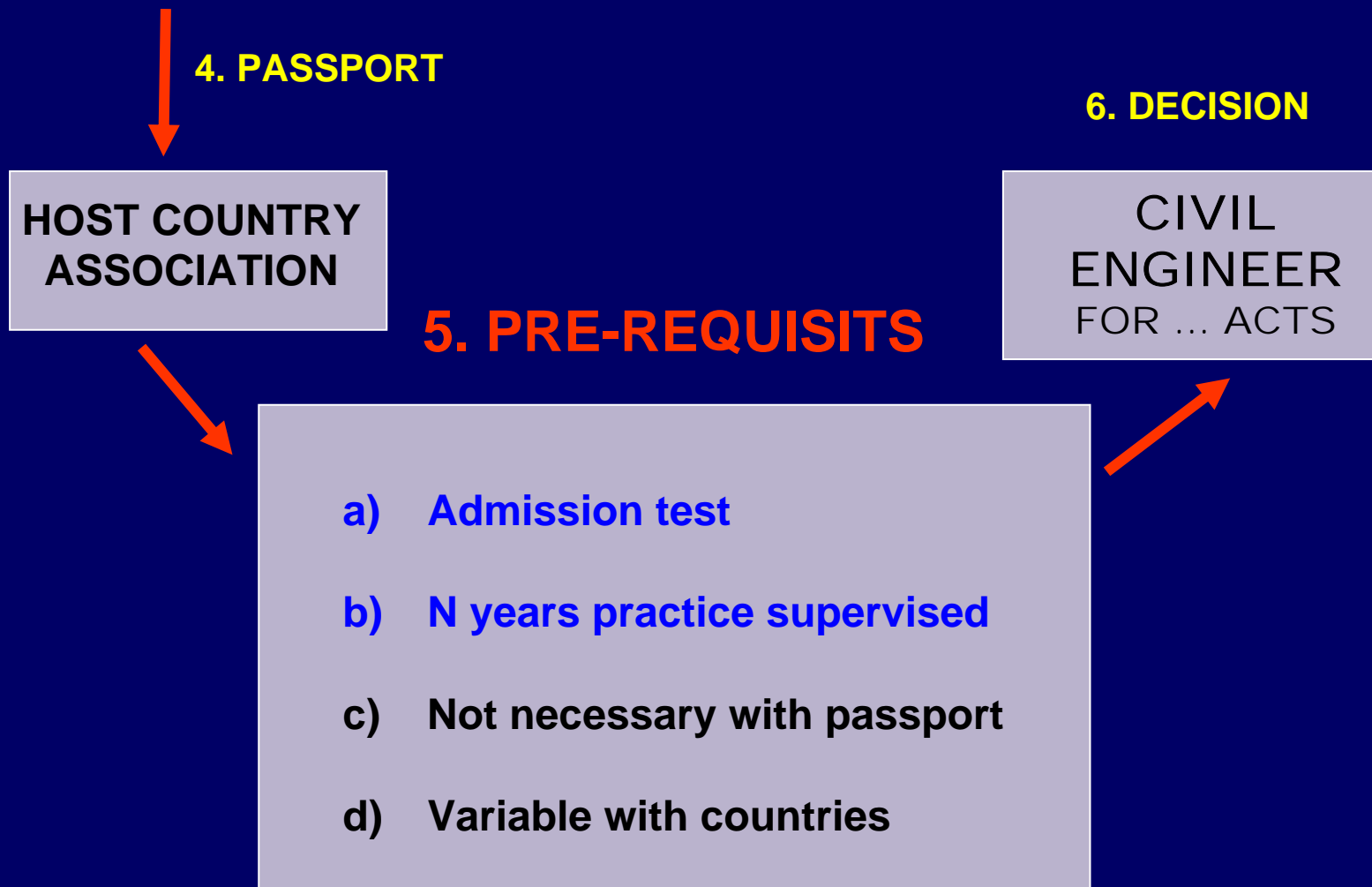
4. ECCE CIVIL ENGINEER PASSPORT

**THE ASSOCIATION INDICATES THAT, ACCORDING TO CV, THE
CANDIDATE:**

- a) Has a **n** years academic course in civil engineering
- b) Can act as Civil Engineer in his home country
- c) Is registered in home association (regulated countries)
- d) Can perform in home country the civil eng. Acts indicated in the application.
- e) Has **n** years experience on those acts



PROFESSIONAL RECOGNITION





PROFESSIONAL RECOGNITION

5. PRE-REQUISITS

6. DECISION

**HOST COUNTRY
ASSOCIATION**



**- TEST ?
- PRACTICE ?**



**CIVIL
ENGINEER
FOR ... ACTS**



- a) **Registration in association - can perform the acts**
- b) **Solution for countries where association has not the power to nominate engineers – each country propose solution**



ARE WE ABLE TO DO IT ?



- EUROPEAN COUNCIL OF CIVIL ENGINEERS