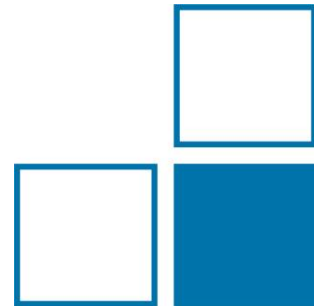
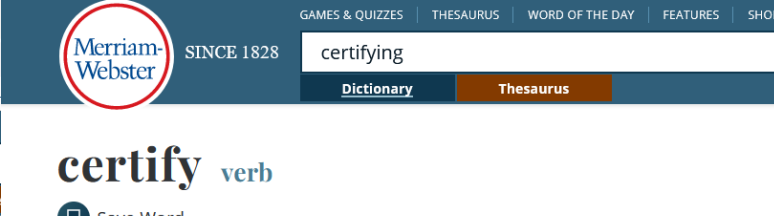


# Certification in one day ?

Smart data management as a possible key





## certification noun

Save Word

cer-ti-fi-ca-tion | \ ˌsər-tə-ˈfē-kā-shən \

### Definition of *certification*

- 1 : the act of [certifying](#); the state of being [certified](#)
- 2 : a certified statement

## certify verb

Save Word

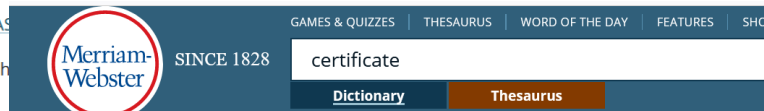
cer-ti-fy | \ ˌsər-tə-,fi \

**certified; certifying**

### Definition of *certify*

*transitive verb*

- 1 : to attest authoritatively; such as
  - a : [CONFIRM](#)
  - b : to present in formal communication
  - c : to attest as being true or as represented or as meeting a standard
  - d : to attest officially to the insanity of
- 2 : to inform with [certainty](#): AS
- 3 : to guarantee (a personal check) on the face
- 4 : to recognize as having met (the requirements of a state or professional board) within a certain time // agencies that *certify* teachers



## certificate noun

Save Word

cer-ti-fi-cate | \ (,)sər-ˈti-fi-kət \

### Definition of *certificate* (Entry 1 of 2)

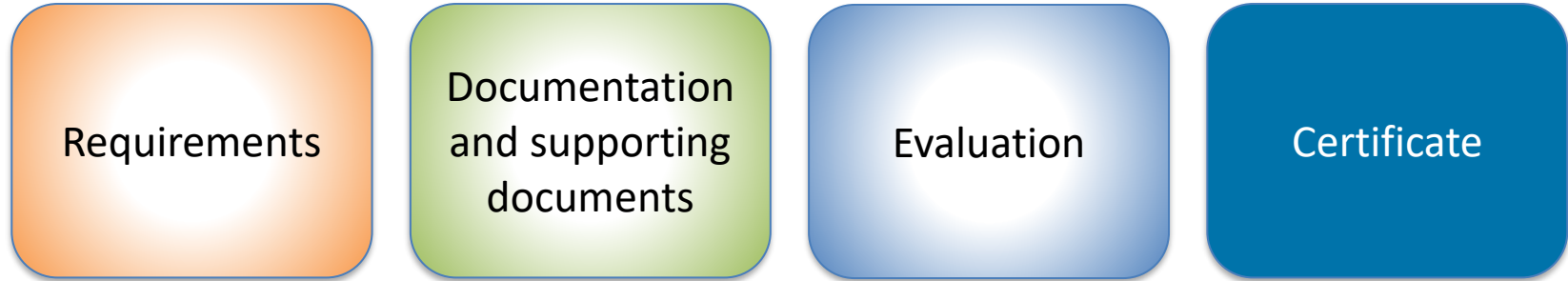
- 1 : a document containing a [certified](#) statement especially as to the truth of something  
*specifically* : a document [certifying](#) that one has fulfilled the requirements of and may practice in a field

- 2 : something serving the same end as a certificate

- 3 : a document evidencing ownership or debt  
*Use stock certificates.*

Someone confirms, that something fulfils requirements...  
“one day” as a strategic wish

# Strongly (!) simplified data sets during certification



Where is the problem?

# Requirements → information in certificates

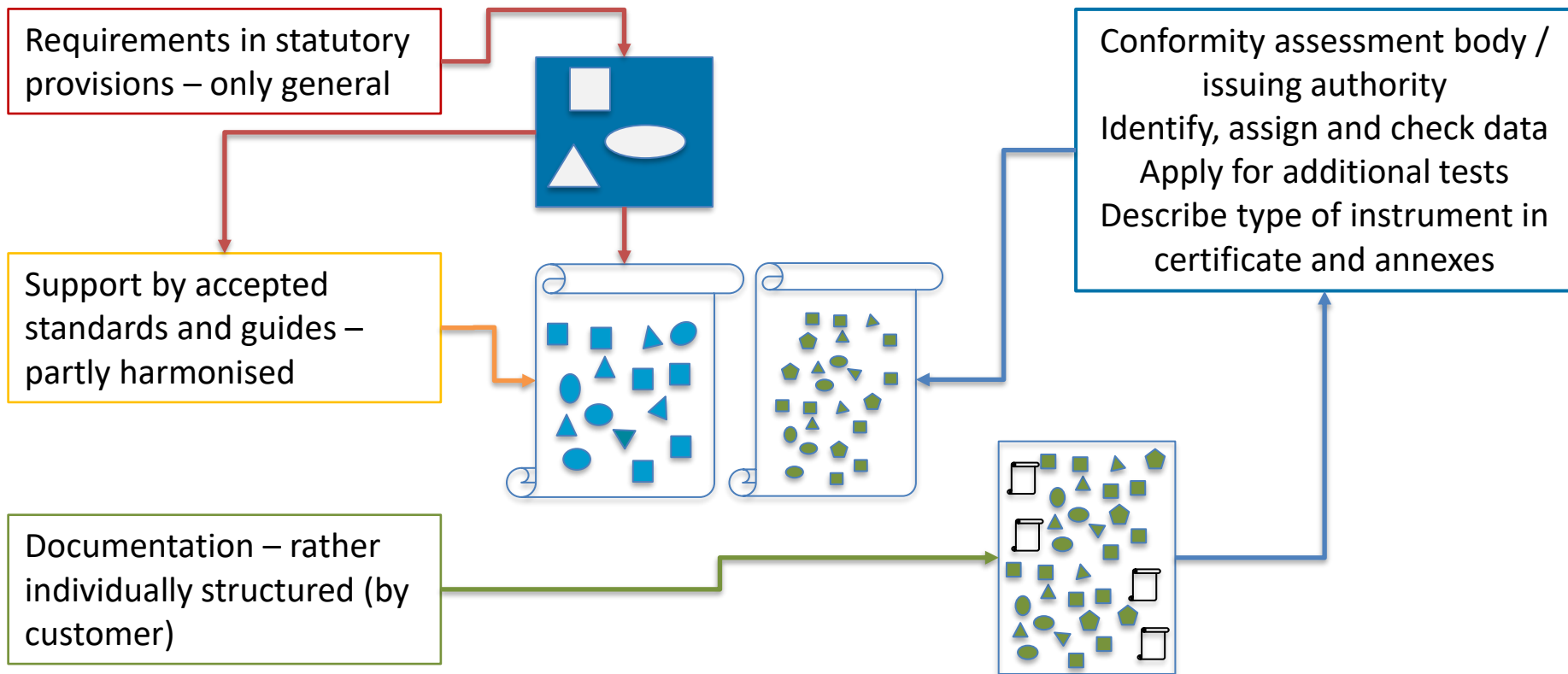
“General data” – common for (nearly) all certificates in metrology:

- Applicant
- Manufacturer
- Issuing authority/ notified body
- Kind of instrument
- Identification
- Basis of certificate
- Number and date of certificate
- ...

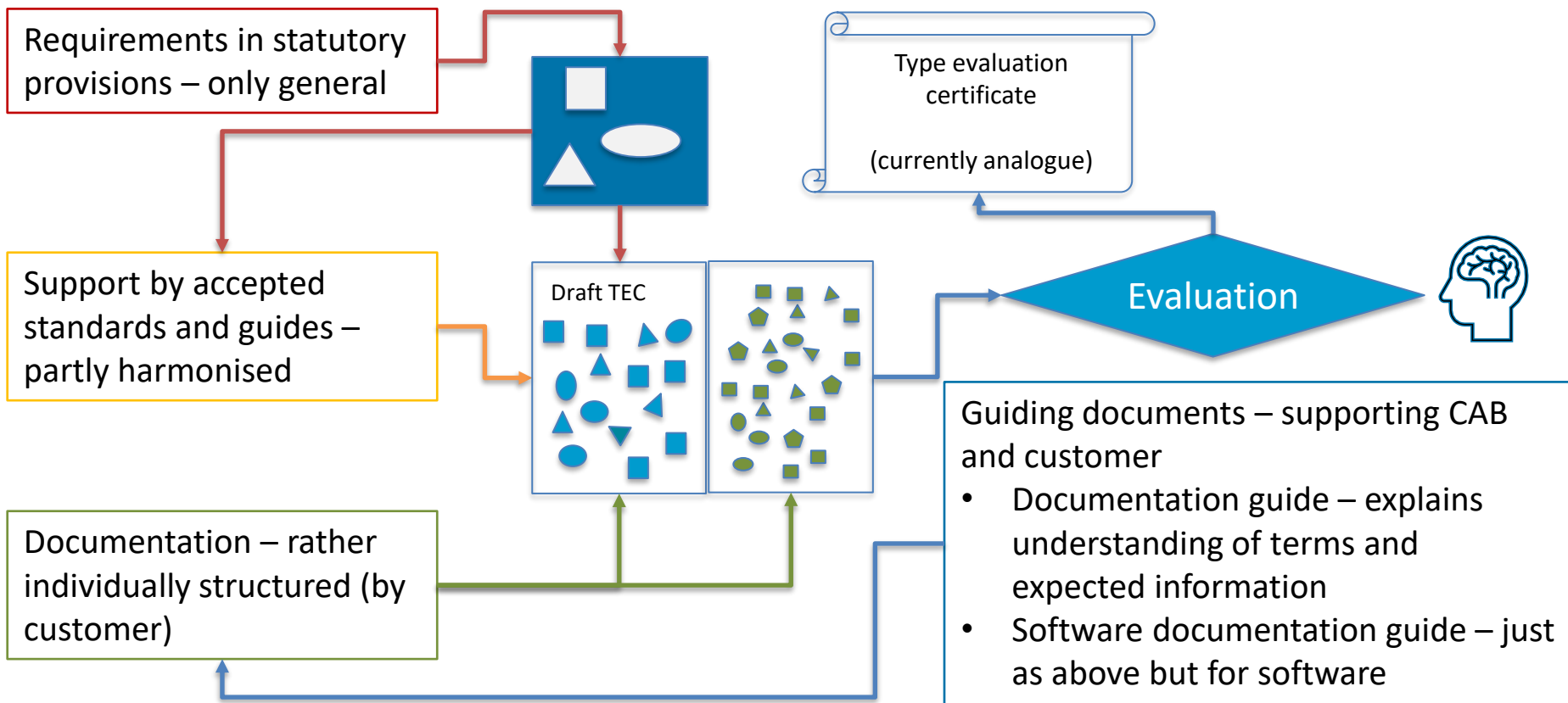


- 1.6 – “...the notified body shall issue an **EU-type examination certificate** to the manufacturer. That certificate shall contain
  - The name and address of the manufacturer
  - The conclusion of the examination,
  - The conditions (if any) for its validity
  - The necessary data for identification of the approved type“
- “The EU-type examination certificate may have one or more annexes attached. “
- “... [certificate] shall **contain all relevant information to allow the conformity of instruments with the examined type to be evaluated and to allow for in-service control.** “

# Access to data “as usual”



# Access to the “right” data as key information

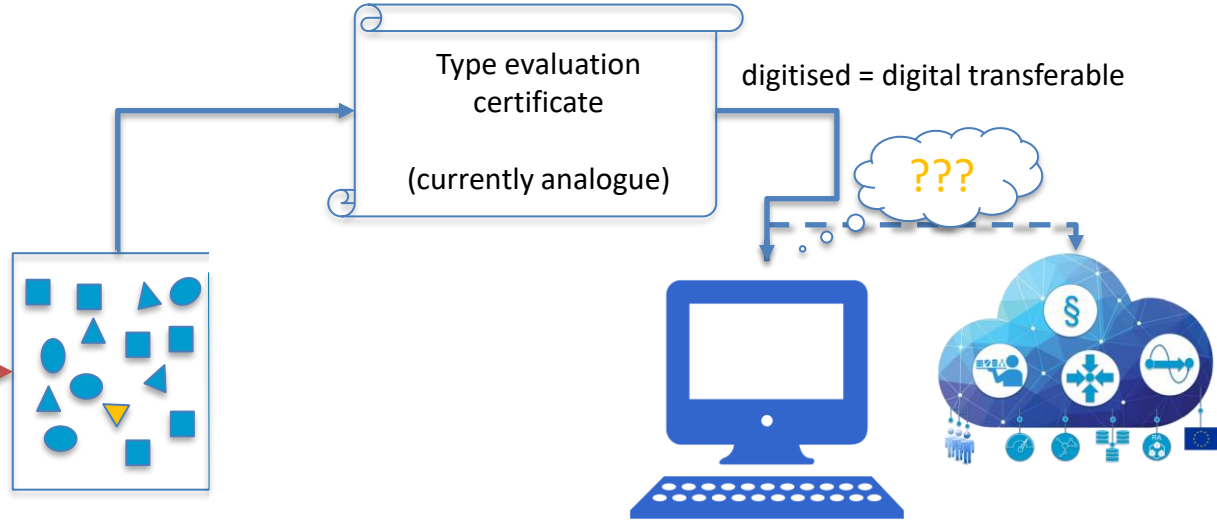


# Access to the digitised data

Requirements in statutory provisions – only general

Support by accepted standards and guides – partly harmonised

Documentation – rather individually structured (by customer)



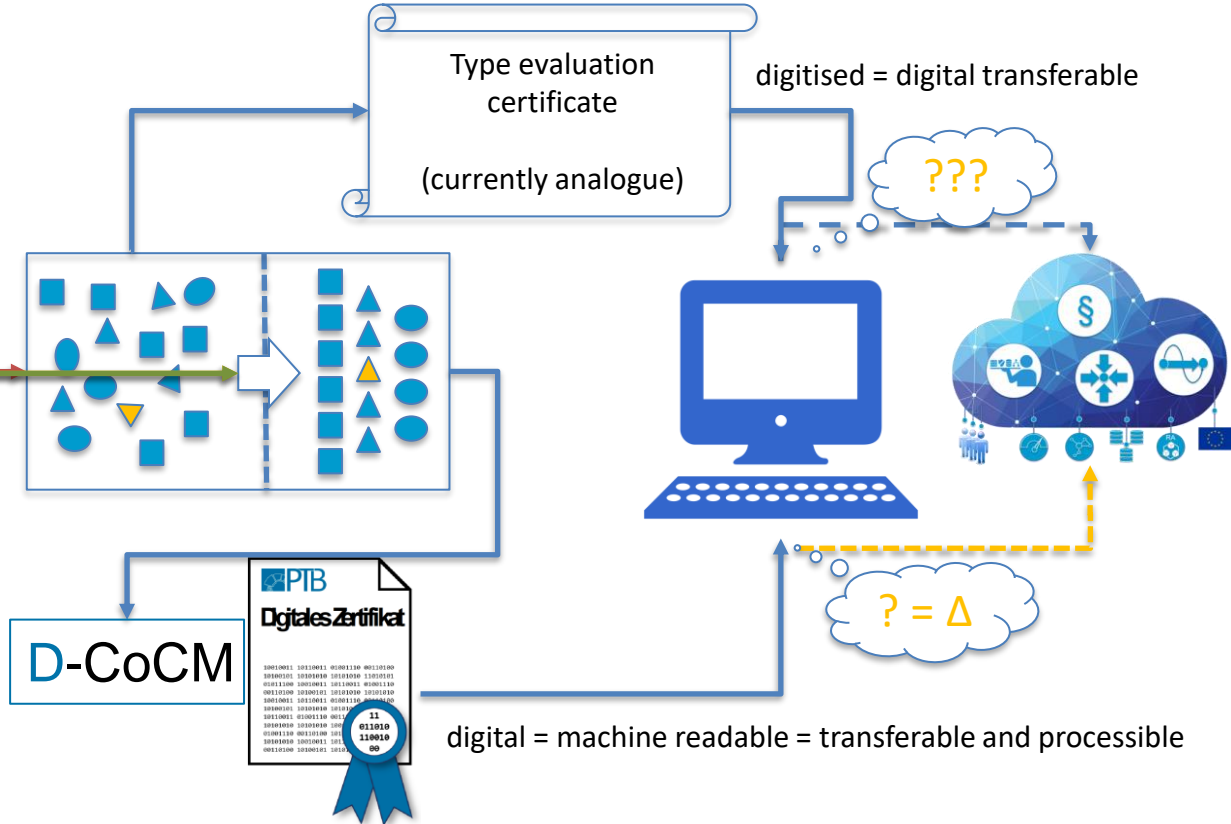


# Access to machine readable data

Requirements in statutory provisions – only general

Support by accepted standards and guides – partly harmonised

Documentation – rather individually structured (by customer)



# “Smart data management” as support

Unambiguous data  
and content

Information suitable  
to the requirements

Faster check for  
completeness and  
suitability

Content clear to all  
stakeholders

Requirements

Documentation  
and supporting  
documents



Evaluation

Certificate  
including  
technical annexes

- “**common understanding**” of necessary content of technical annexes
- Guided **communication** between CAB and customer
- “common understanding” → **harmonisation** → partly automation
- But data management **cannot** replace experience of CABs!!!



Thank you for your attention!

Thanks also to the team for developing, practising and living this concept!



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