

# Top Three Verification Challenges

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# Bidirectional Connection of Verification process to requirement engineering

- **Required by ISO 26262 „Road vehicles – Functional safety“ and other similar standards**
- **Validate the verification**
  - Have the right things been verified
  - Avoid that requirements haven't been verified and things have been verified, that haven't been required
- **Reuse implementation of verification goal**
- **Keep track with change requests**
- **Enable impact analysis**

- **SystemC, HDL, and HVL in one environment and with one methodology**
  - **Verification of the right thing at the right level**
- **Save verification time and effort**

- **Driven by**

- Analog goes digital
- Digital goes software
- But the world remains **analog**

- **Bridge total different domains with magnitudes different in realtime/virtual time**

- **Part of “more-than-moore”**



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