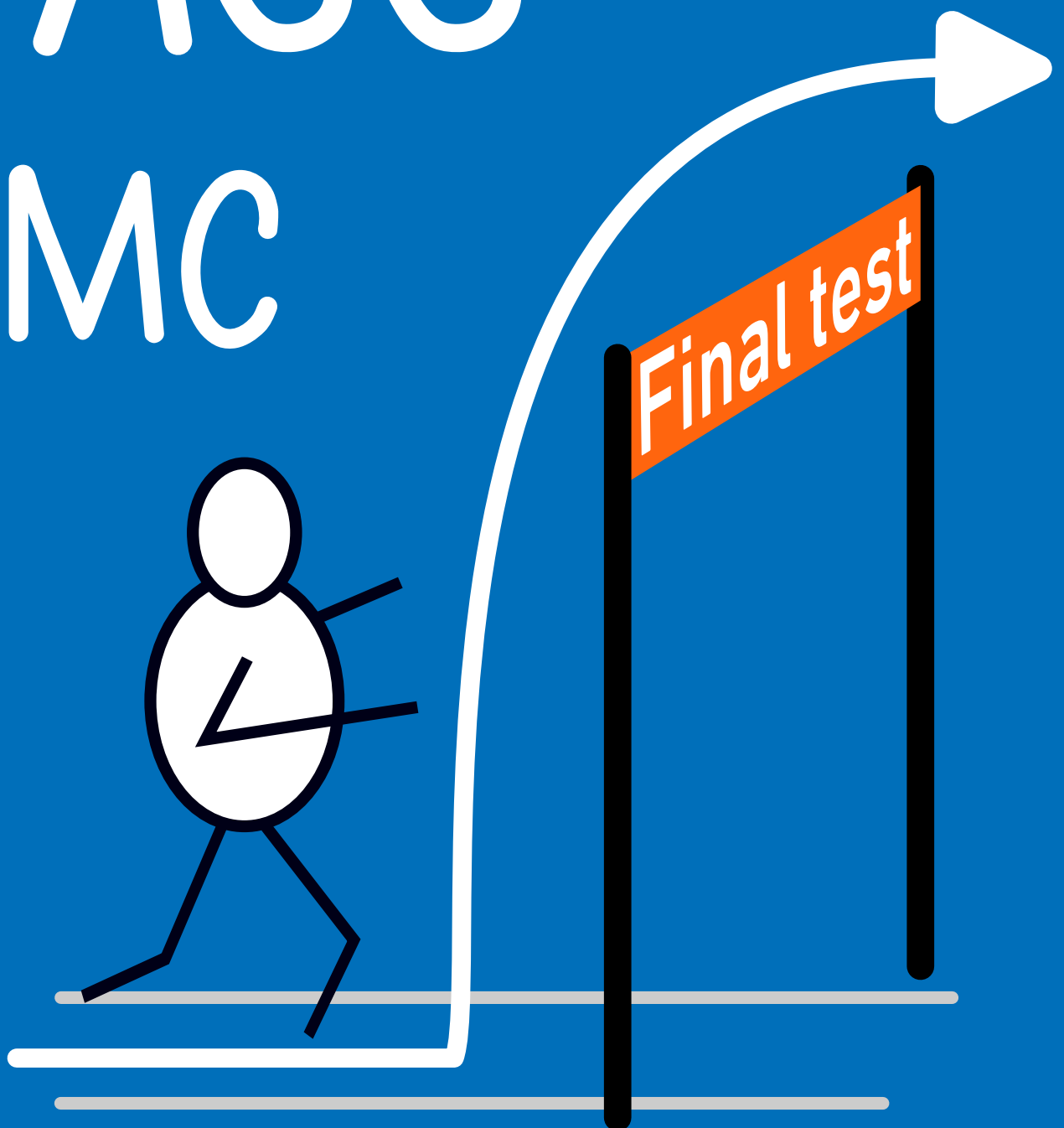


How to PASS EMC



By Joost Brilman

The EMC challenge

The closer to the test you get,
the bigger the hurdle becomes.



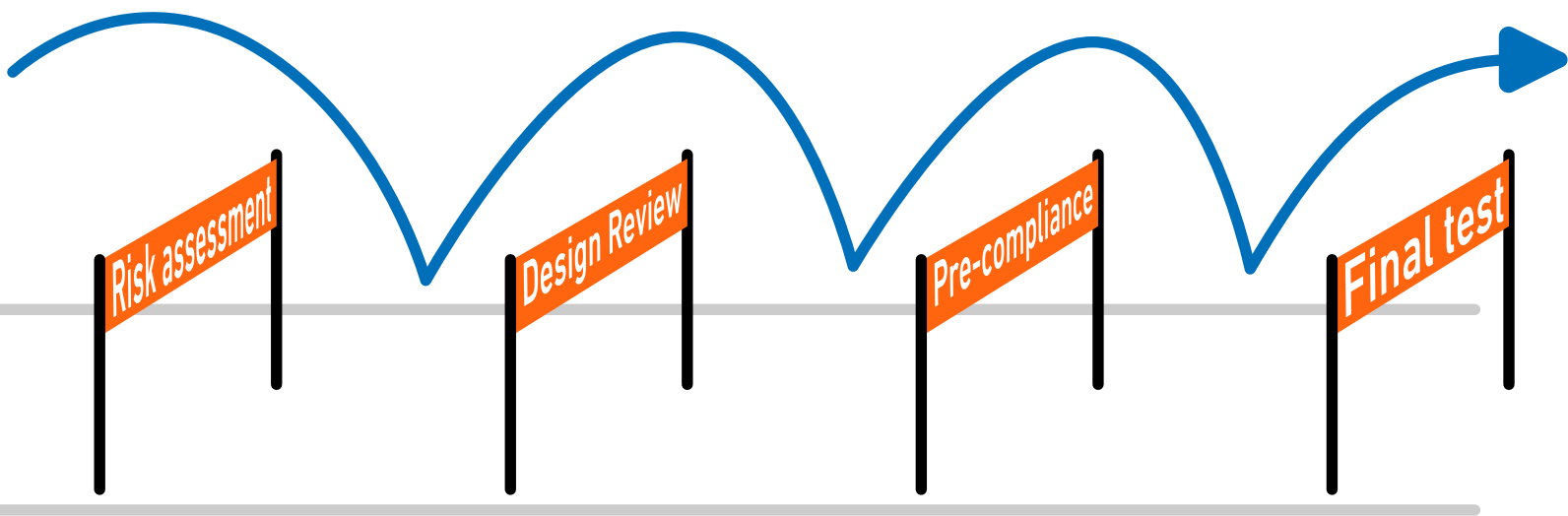
Best advice

Don't attempt
to pass EMC
in one step



Instead:

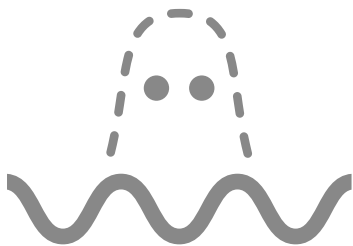
Divide the process
into small hurdles



Feels like cheating ?

It's product development.

Lowering the hurdles is exactly
what mature companies do to
gain a fair advantage.



Start here



Risk assessment

Identify:

- EMC requirements
- EMI aggressors
- EMI victims
- Possible coupling paths

Tip: lower the highest EMI risks first

Get a 2nd opinion

Design review

Think of:

- Schematic review
- Grounding strategy check
- Cable interface reviews
- PCB layout checks

A good review
takes more than
a few hours!



Fail fast and focus

Pre-compliance

Start testing as soon
as you have hardware



Identifying EMI issues in an early phase provides most possibilities to solve them.

Tip: this includes off-the-shelf modules !

Also if they are certified!

Final test



Final test

Be prepared:

- ➔ You know the highest risks
- ➔ You prepared design alterations
- ➔ Don't aim for the limit, design for margin

Pass EMC tests in one go

Struggling with EMC?
Get a clear path
forward.



Click here to plan your

EMC Clarity call

Outcome:

You'll know exactly what to do next.

