



## JonJu Tech Ltd.

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Without Prejudice



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### What it is all about

Design Review is a critical process in the development of a product, but it is often over complicated, or not done often enough. A design is usually a written report taking stock of the status of a development that also gives an opportunity for all stakeholders to confirm progress. It is very important to ensure that the Design Review is dynamic – dry meetings are counter-productive. This WP clarifies what a dynamic Design Review should and should not be.

### Quick Learn

- Design reviews should be a meeting with all stakeholders.
- The most important function of a Design Review is to identify all items of either real or potential risk to the development, determine mitigating actions, and to give an accountable person/s responsibility for taking the said actions.
- Design Reviews can become wooden and ineffective if conducted against tick lists – particularly for smaller developments – although aide memoires are useful.
- Design Reviews are often used as gatekeepers for the completion of a phase of development, but they should also be used if a circumstances suggest a need.

### Key Actions/Advice

As Quick Learn



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### Rigour

The best way to conduct a design review is to focus on Risk. The following are the most important categories:

- Feasibility
- Development Cost
- Manufacturing Cost
- Time/progress
- Performance (fit/form/function)
- Aesthetics

### Disclaimer

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### Definitions

BLE: Bluetooth Low Energy

EMC: Electromagnetic compatibility

ESD: electrostatic discharge

FMEA: failure mode and effect analysis

JJ: JonJu Tech Ltd

PCB: printed circuit board without components assembled on it

PCBA: printed circuit board with components assembled on it

Production Release (PR): date at which production is launched without any involvement or supervision from a design authority.

SLEEP: a low current condition that a device can be put into to reduce its requirement for current, and hence longevity if powered by a battery.

WP: white paper