



Why Architecture ?

Interconnection with business and other IT Organizations

Dr. Marcel Schlatter

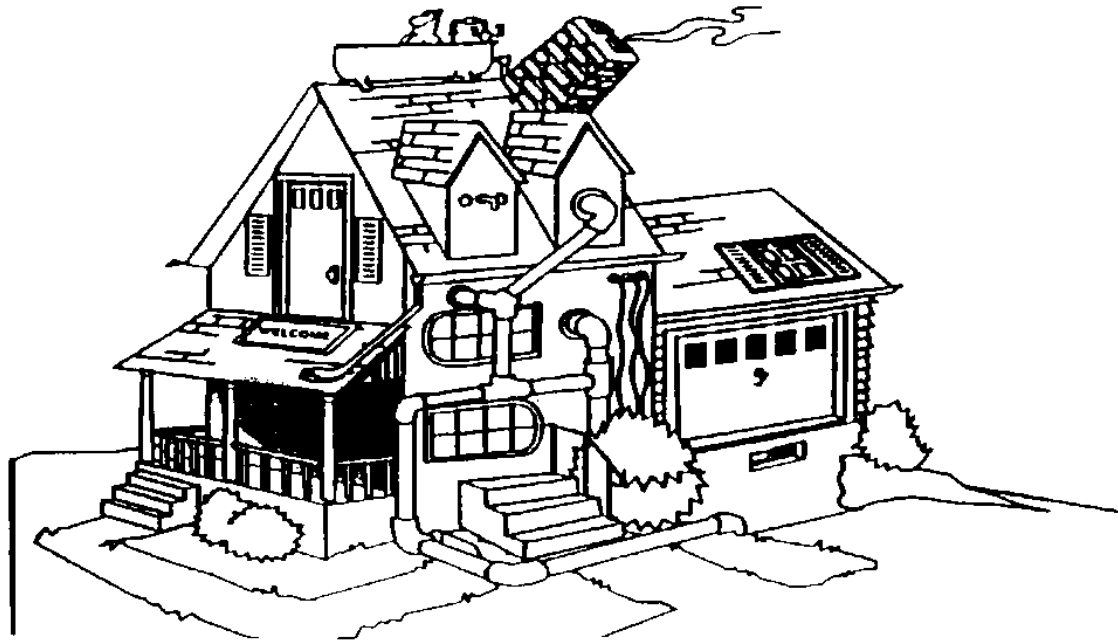
IBM Distinguished Engineer

Member of the IBM Academy of Technology

marcel.schlatter@ch.ibm.com

IT Architecture ensures the business's requirements for an IT system are satisfied in a coherent and well structured way

Without IT Architecture...

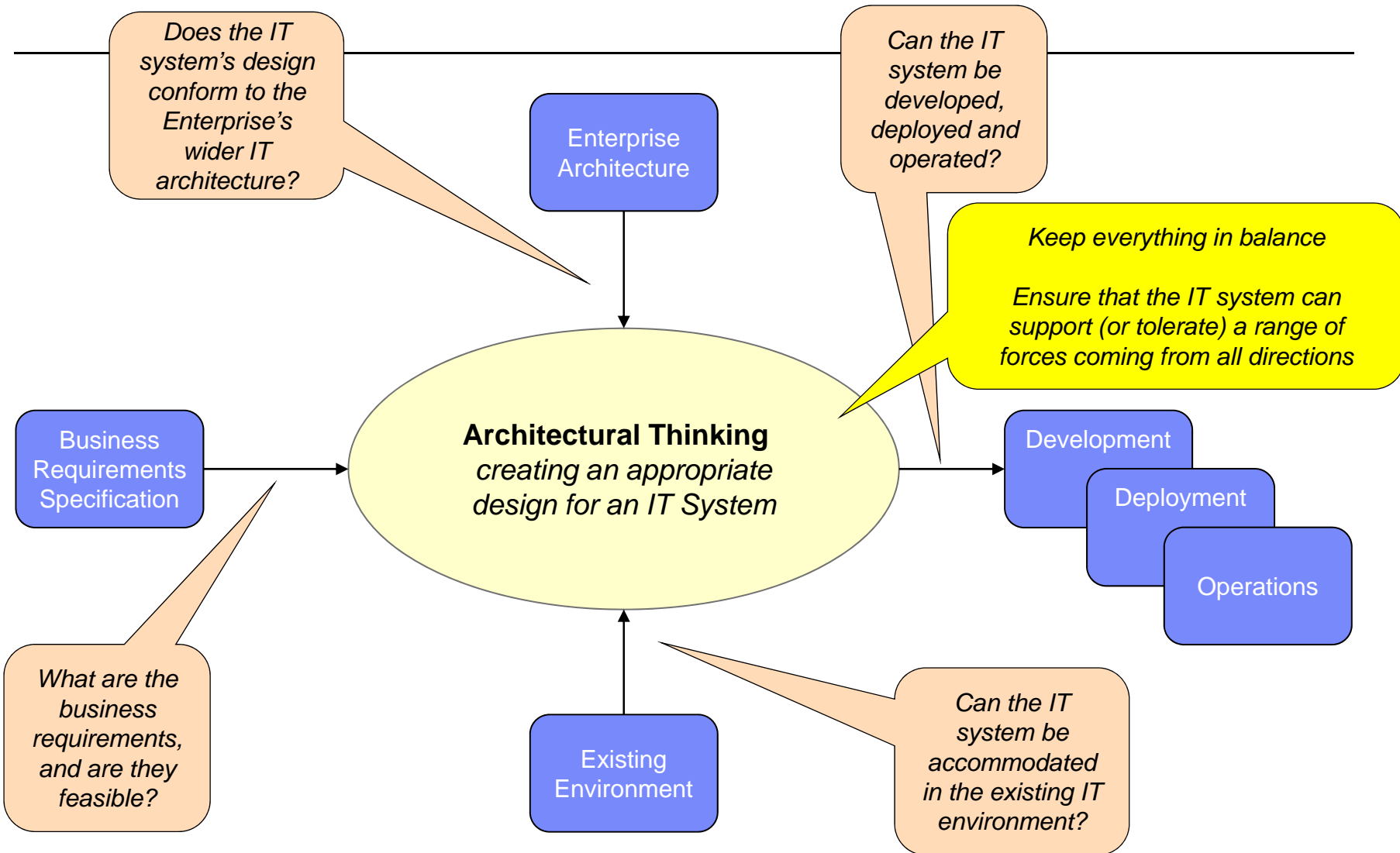


... and even if an individual house is well designed, if each house is different (e.g. different electricity voltage, water pressure) then the city will not work...

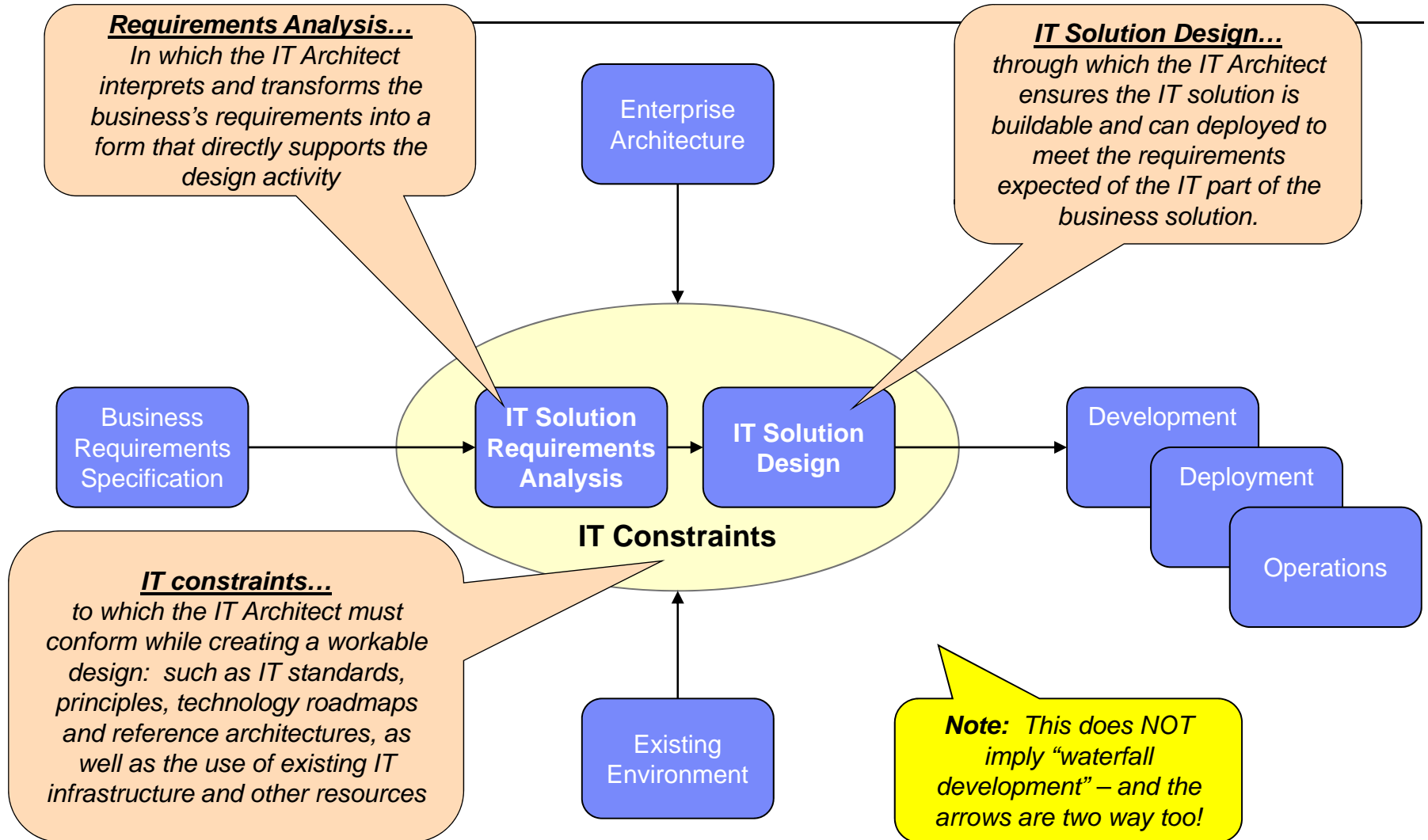
IT Architecture ensures the business's requirements for an IT system are satisfied in a coherent and well structured way

An IT Architect achieves this goal by balancing many forces, helping to ensure the IT solution to a business requirement recognises “the art of the possible & affordable”

Architectural Thinking – Balancing many forces, helping to ensure the IT solution to a business requirement recognises “the art of the possible & affordable”

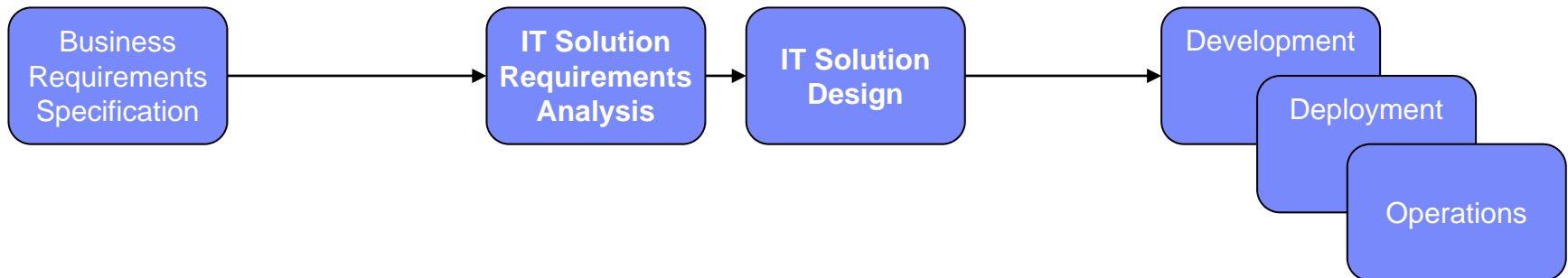


The IT Architect therefore focuses on three things

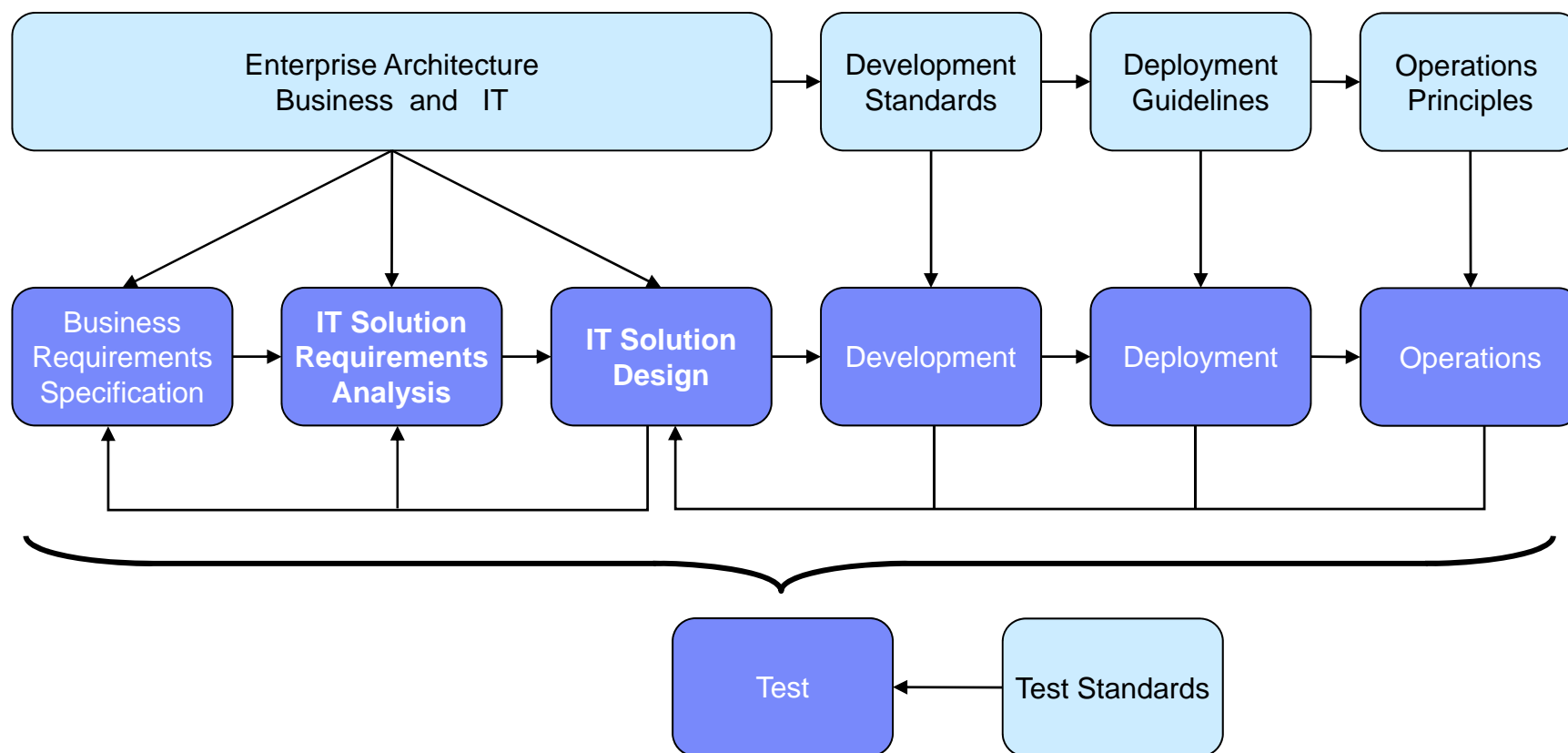


An IT Architect does not work alone – their work is intimately interconnected with that of others in both the business & IT organisations...

“food chain” in which the IT Architect sits is not “link to link”, and not “waterfall”

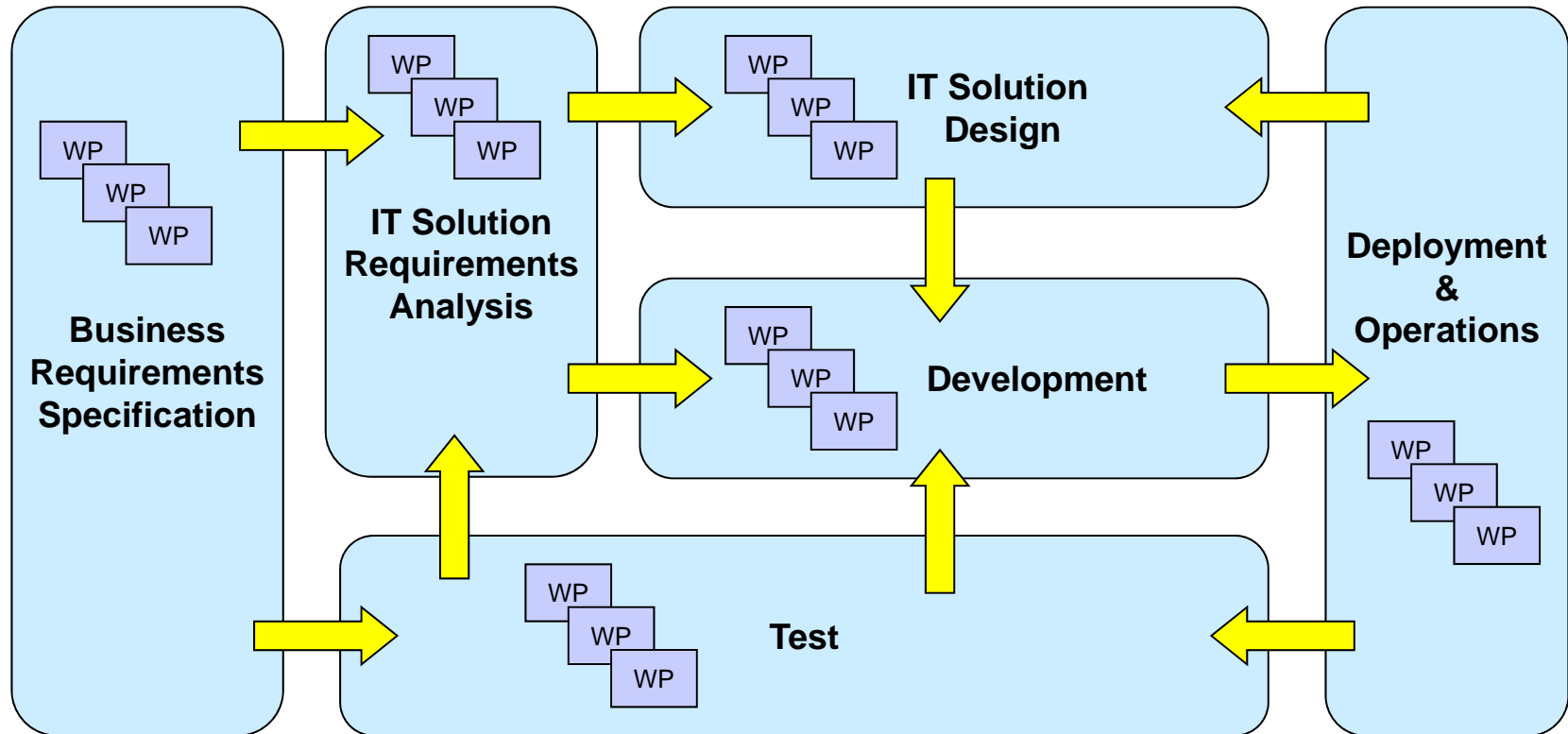


An IT Architect does not work alone – their work is intimately interconnected with that of others in both the business & IT organisations...



...with a strong set of inter-dependencies between all areas

Illustrative dependencies only! Most arrows are two way!



How do we manage this division of responsibilities, while accommodating interdependencies across the life-cycle of a project, without adopting “waterfall development”?

A work product is (usually) a document that defines some specific aspect of the solution and “lives” through the full life of the project