

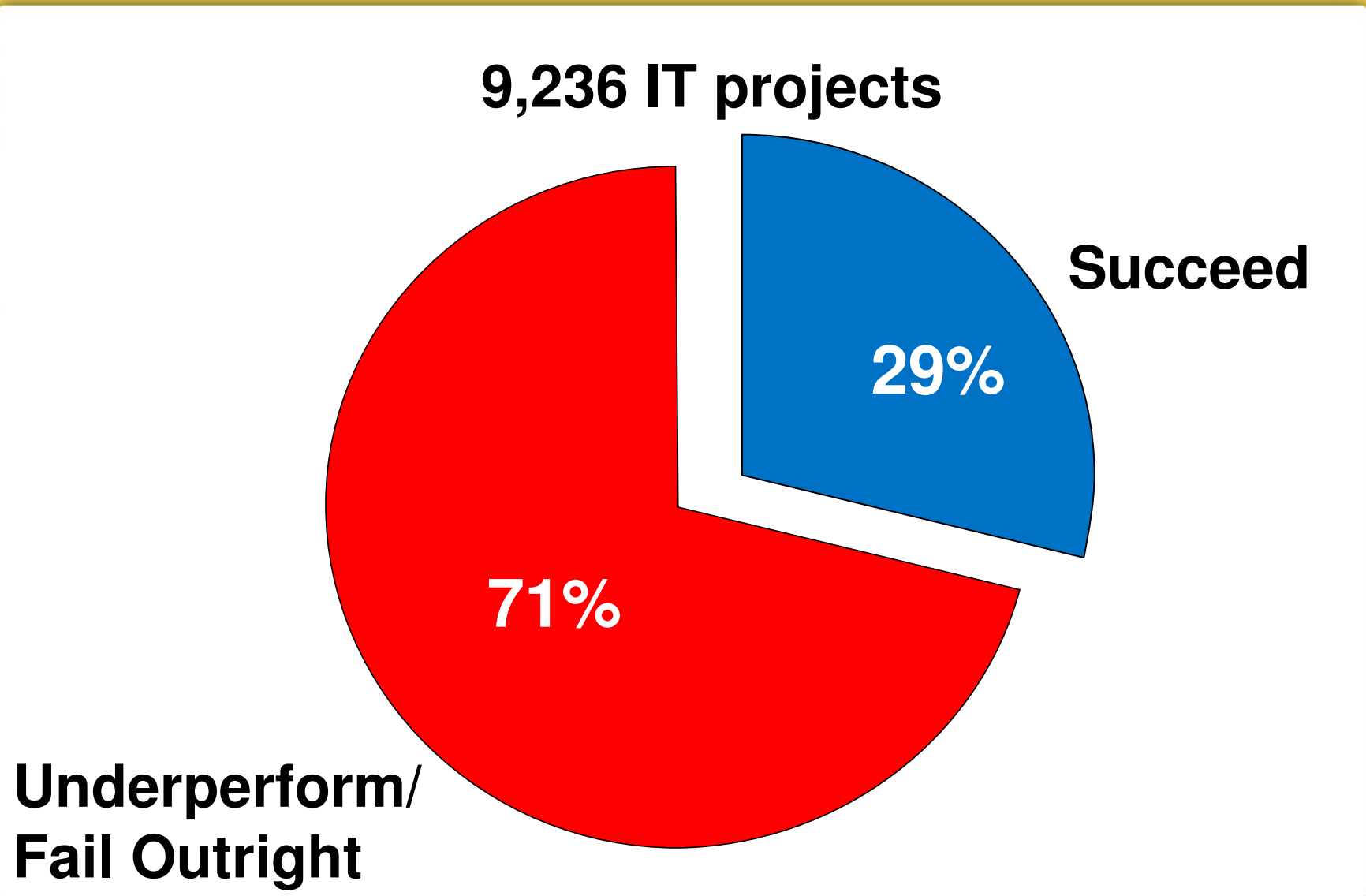


requirements defined

Beyond “The System
Shall . . .”

A Journey from *Good*
to **Great** Requirements

CHAOS and more chaos



Purpose of requirements models

The Unknown

As we know, there are known knowns.
There are things we know we know.
We also know there are known
unknowns.
That is to say we know there are some
things we do not know.
But there are also unknown unknowns,
The ones we don't know
We don't know.



From a 2/12/2002 DoD news briefing

Benefits of requirements models

Requirements models:

- Lead to asking the right questions
- Speed up the requirements process
- Provide confidence that no requirements were missed

Examples of Models

People	Org charts
	Use cases
	Decision trees
Systems	Context diagrams
	Display-Action-Response models
	Cross functional process flow diagrams
Data	Entity relationship diagrams
	State diagrams
	State tables
	Data flow diagrams

There are more . . .

More models

- Timelines
- Requirements hierarchies
- Flow charts
- State diagram
- UML Use Case Diagram

More types of requirements

- Non-functional
- Configuration
- System interface
- And many, many, more . . .

Good versus great requirements

A good set of requirements:

- Correctly defines what you already know
- Is testable, traceable, and concise

A **great** set of requirements:

- Produce a clear mental picture of the system before it is built
- Are complete
- Convey more than the sum of their parts

- Any questions?
- Continue the discussion:
 - <http://requirements.seilevel.com/messageboard/>
 - <http://requirements.seilevel.com/blog/>