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EASE

PA Consulting
Group

Applying EA and SE in GCHQ

“The art of traction, business engagement and benefits delivery ”

6 Feb 2008

Integrated Enterprise Architecture ‘08

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About GCHQ



Business requirements

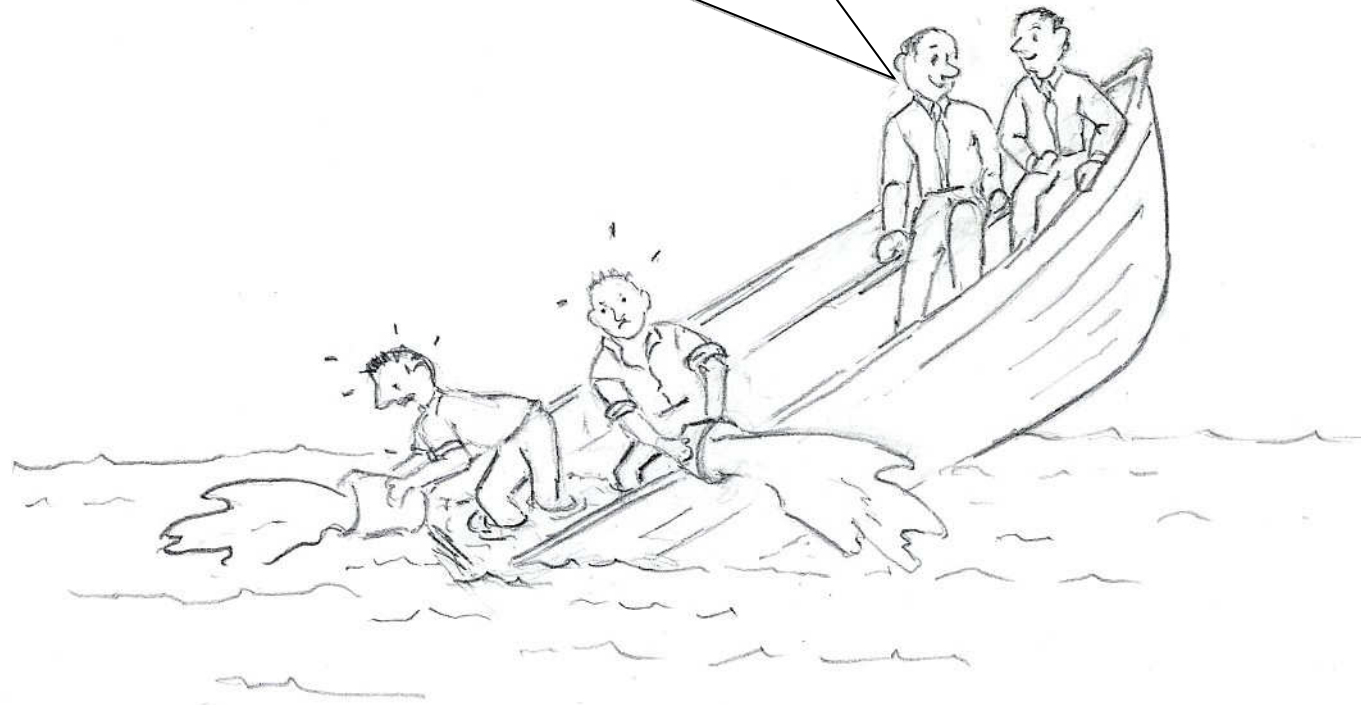
At the enterprise level we need clarity of requirements if we are to form a useful Enterprise Architecture

- **Agility**
- **Business continuity**
- **Interoperability**
- **Legalities**
- **Reuse**
- **Security**
- **Tempo**
- **Total cost of ownership**
- **Use of suppliers**

So how do we form this enterprise architecture?

**Can we
learn from
history?**

I'm sure glad the hole
isn't in our end ...



We need a true perspective of the Enterprise Architecture task



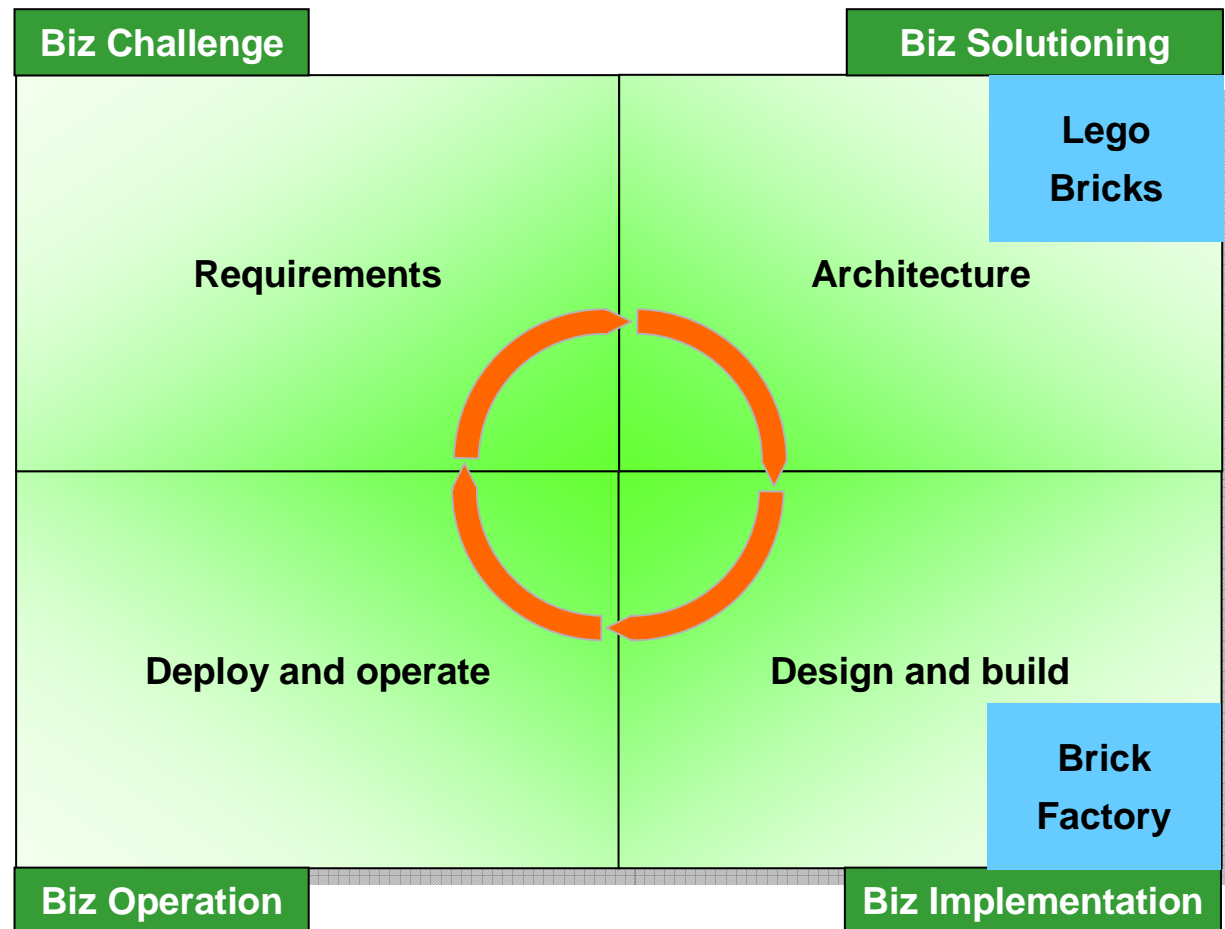
“Okay, Dragon, I’m an Architect, come out of that cave and fight!”

Our new approach.....a scaled structure with traction

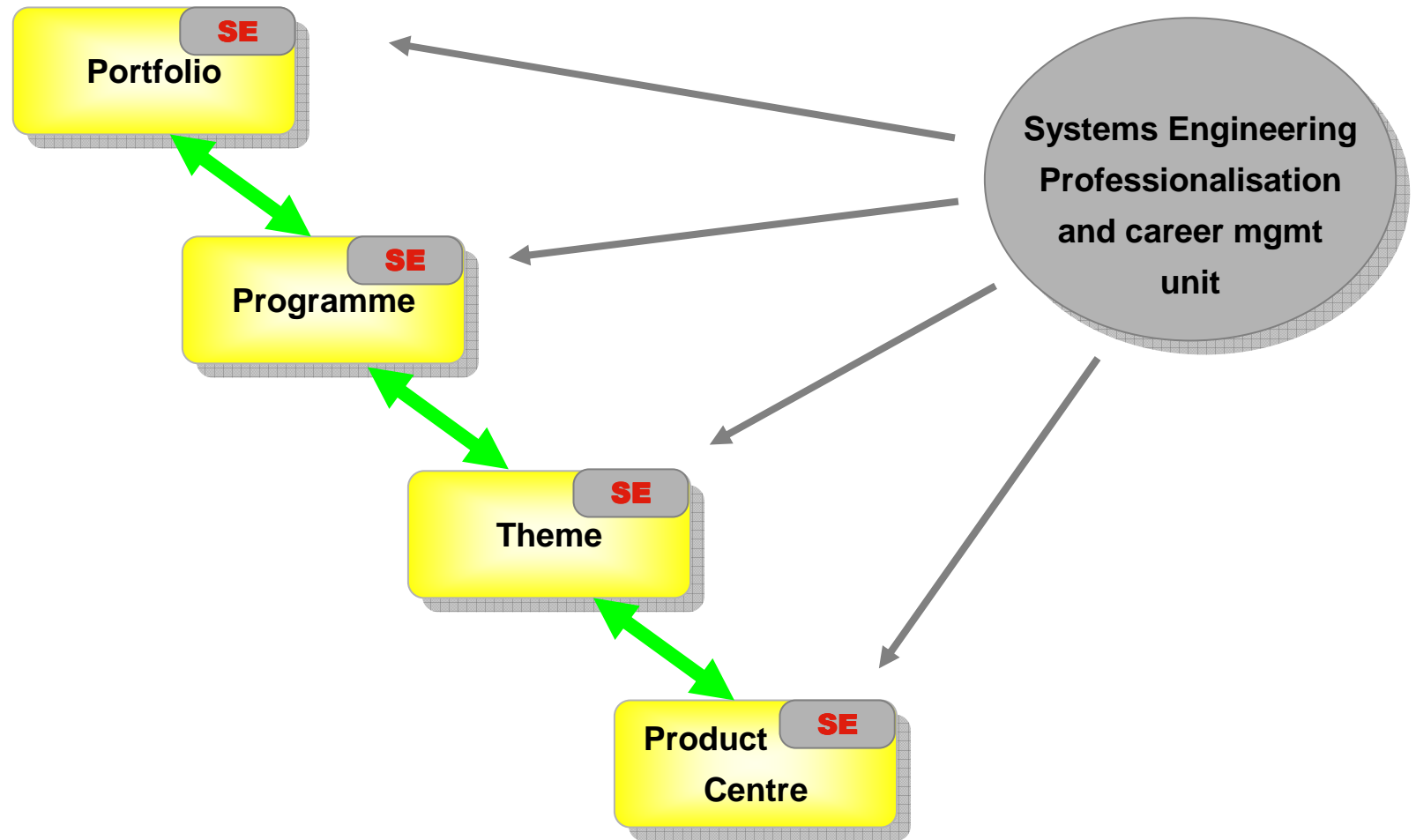
- Common Processes
- The skills to operate them
- Checks for compliance
- Handling of exceptions
- Methods for self improvement.

**A Language
Everybody
Understands**

Capability lifecycle



Supply chain model



A Change Programme was needed

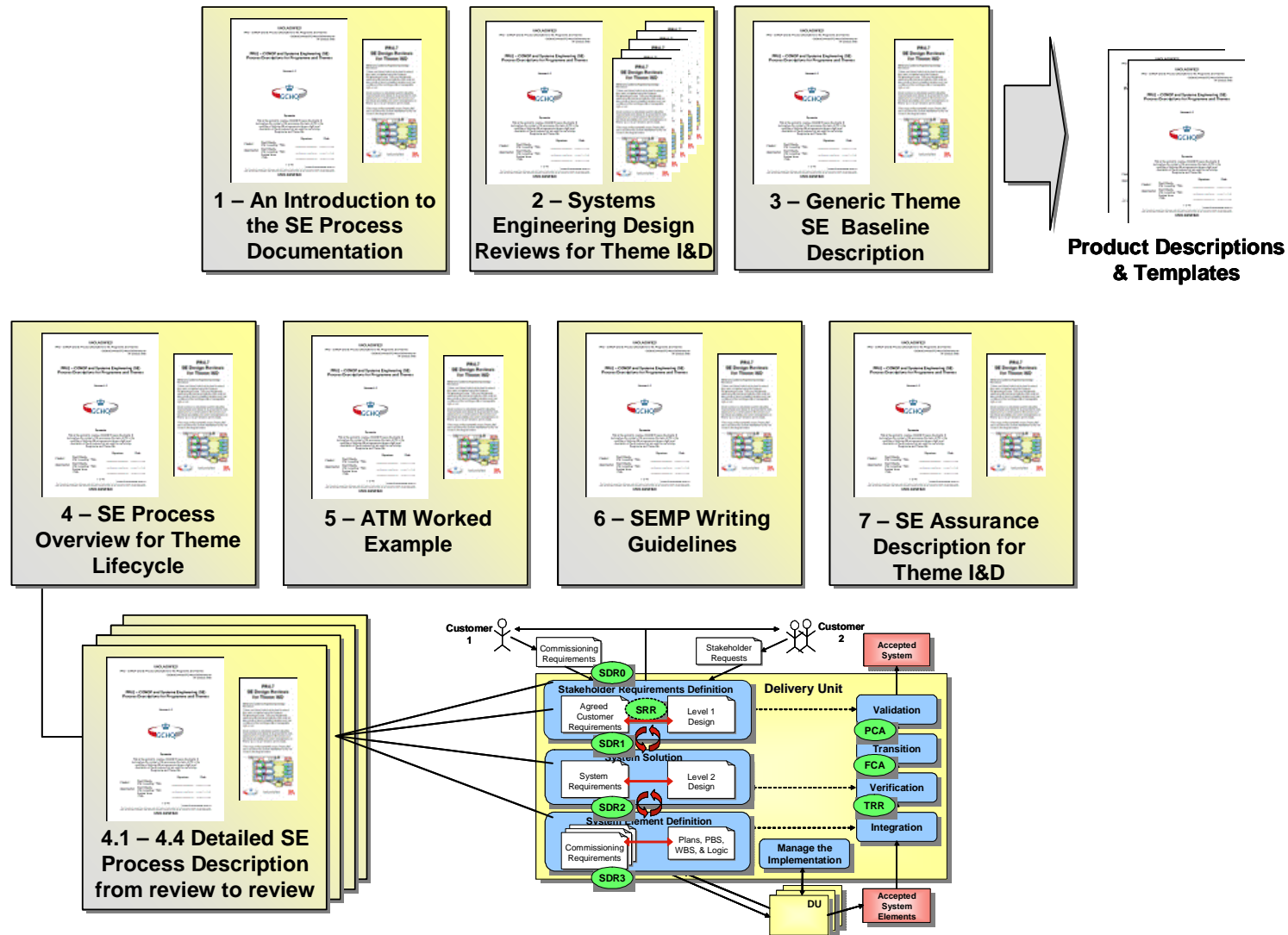
Enterprise

Architecture

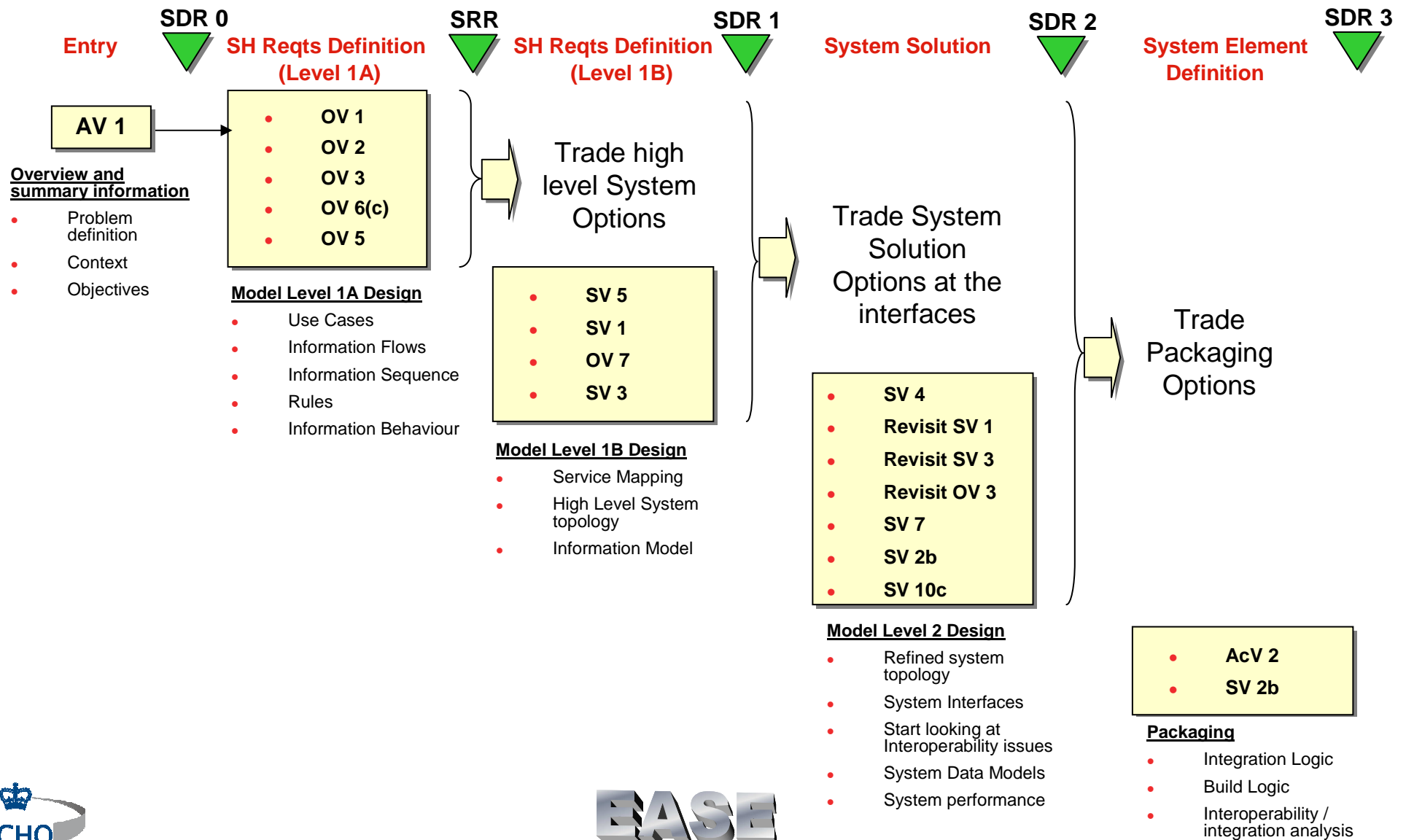
Systems

Engineering

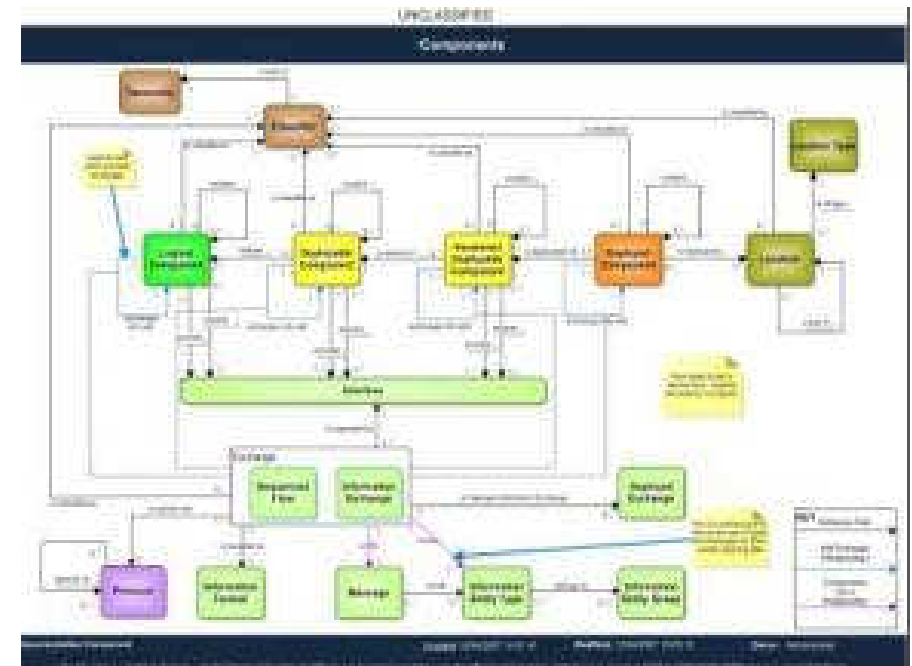
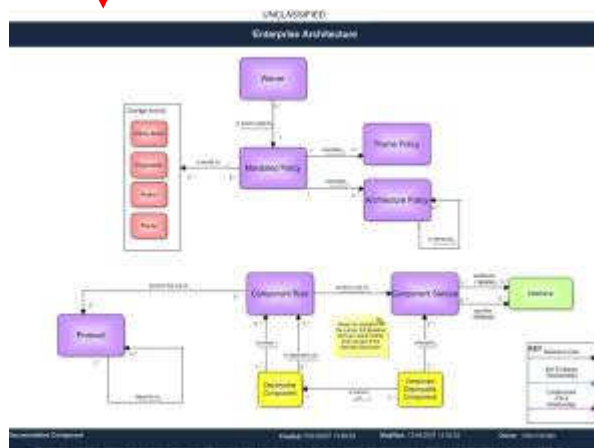
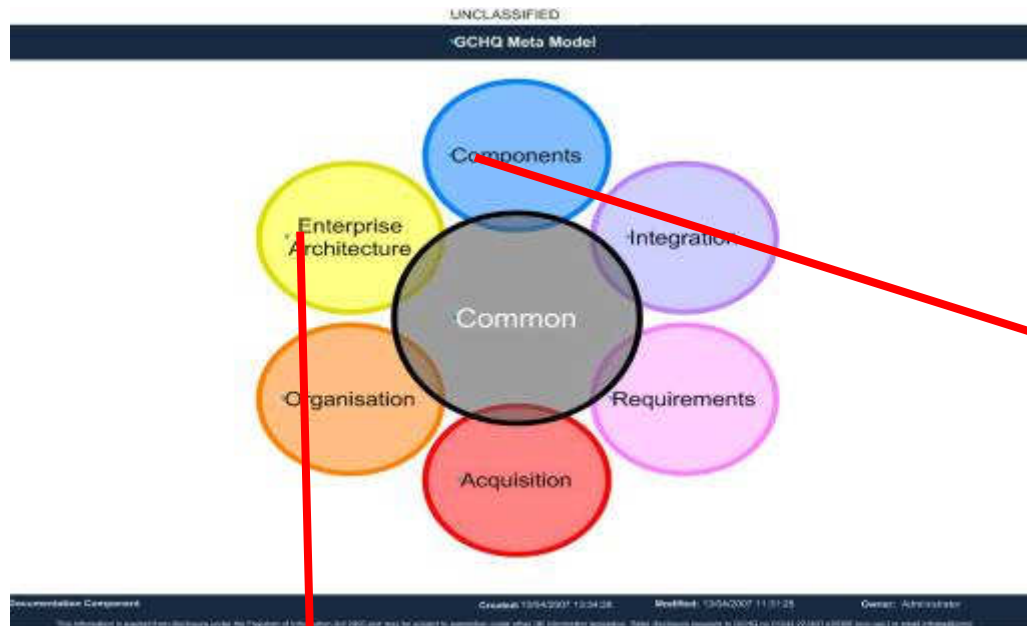
EASE Process



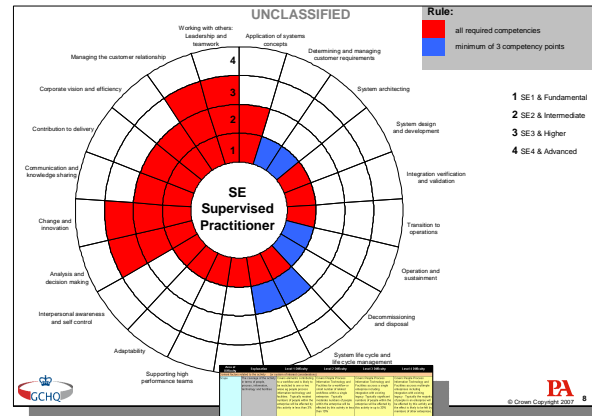
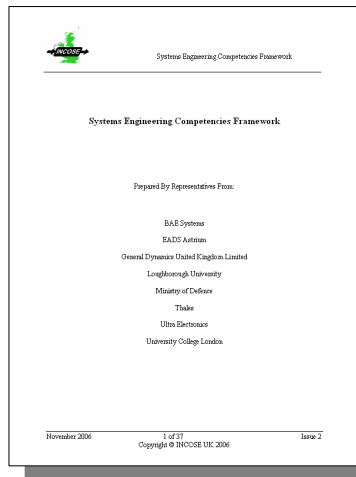
Expressing the Design with MODAF Views



EASE Metamodel for MODAF



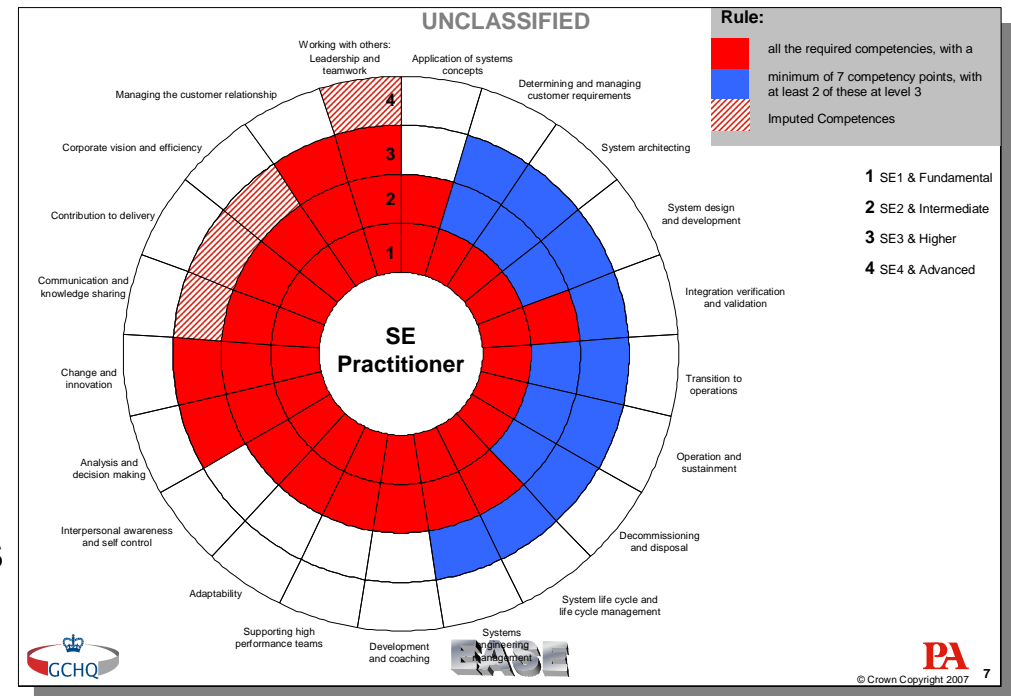
Developing the GCHQ SE Competence Framework



- Based upon INCOSE UK SE competence framework (initially v1.0)
- Developed in the context of the roles SE staff are being deployed into within GCHQ
- Additional “difficulty matrix” to qualify the complexity of situation in which SE competences are being exercised
- “Yardstick” to bring clarity on boundaries between grades
- Used as basis for nominal competence profiles for 4 grades of SE:
 - Supervised practitioner
 - Practitioner
 - Higher practitioner (additional level)
 - Expert

GCHQ SE Competence Framework

- 10 INCOSE-derived SE technical competences
- 4 consulting / soft skills competences
- 7 core GCHQ management competences
- Each grade of SE requires a core mandatory set of competences (red) plus a number of points from across a range of optional competences (blue)
- SE competence framework has been validated and scored as the basis for one of GCHQ's core career frameworks
- Being used for re-grading and linked to rewards package
- SE expert extends into Senior Civil Service grade 5 – as a technical specialist



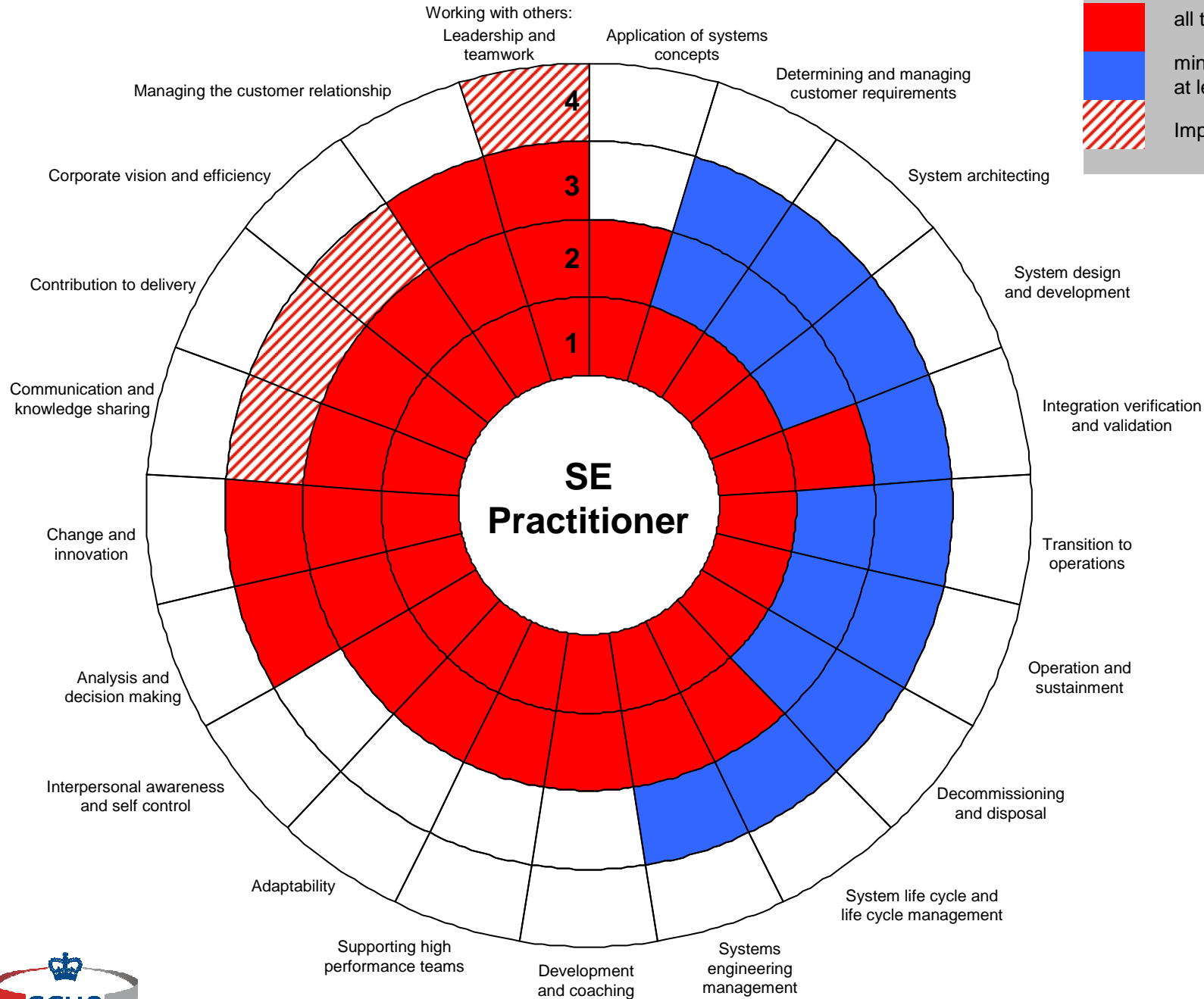
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Rule:



all the required competencies, with a minimum of 7 competency points, with at least 2 of these at level 3

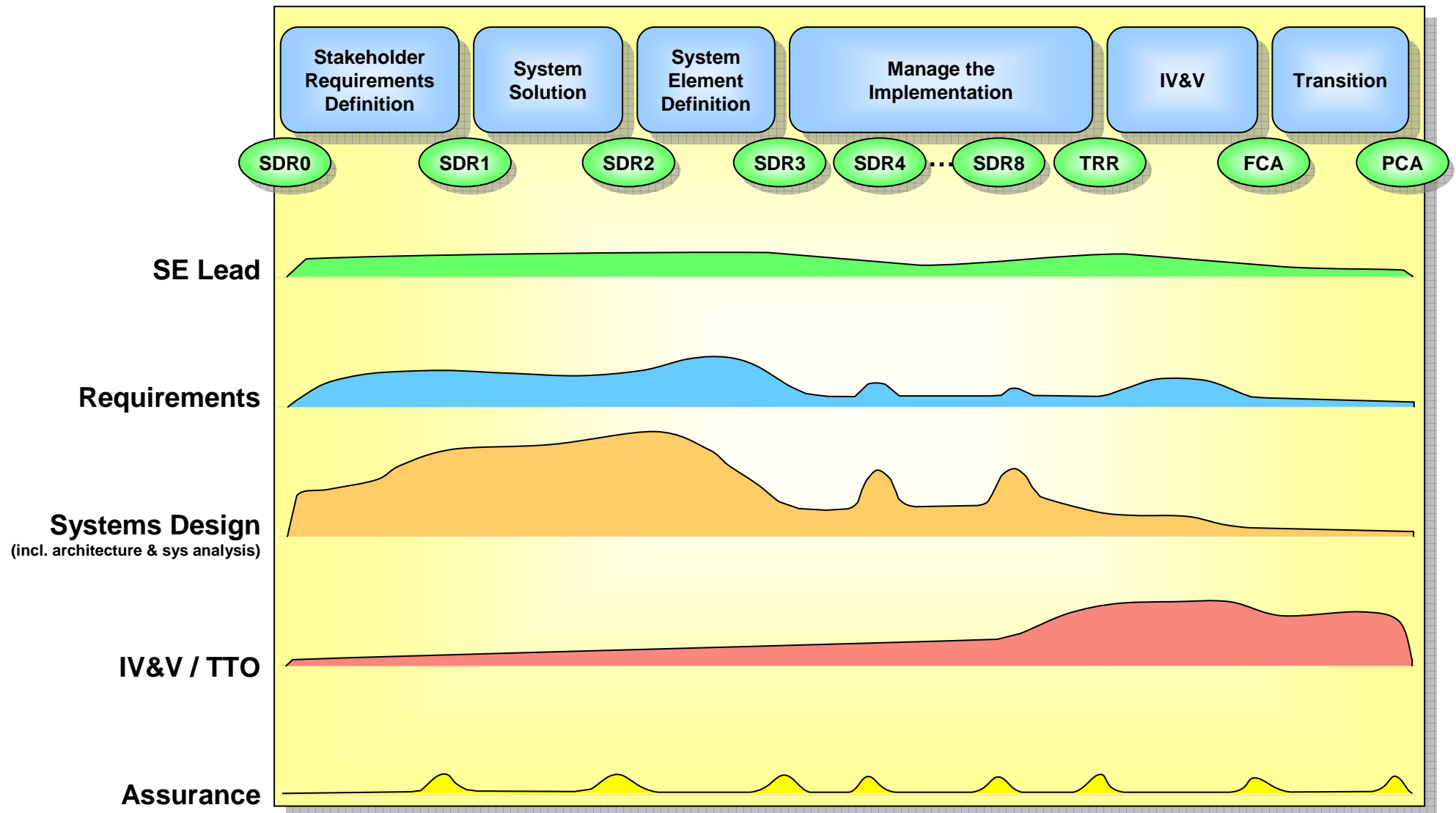
Imputed Competences



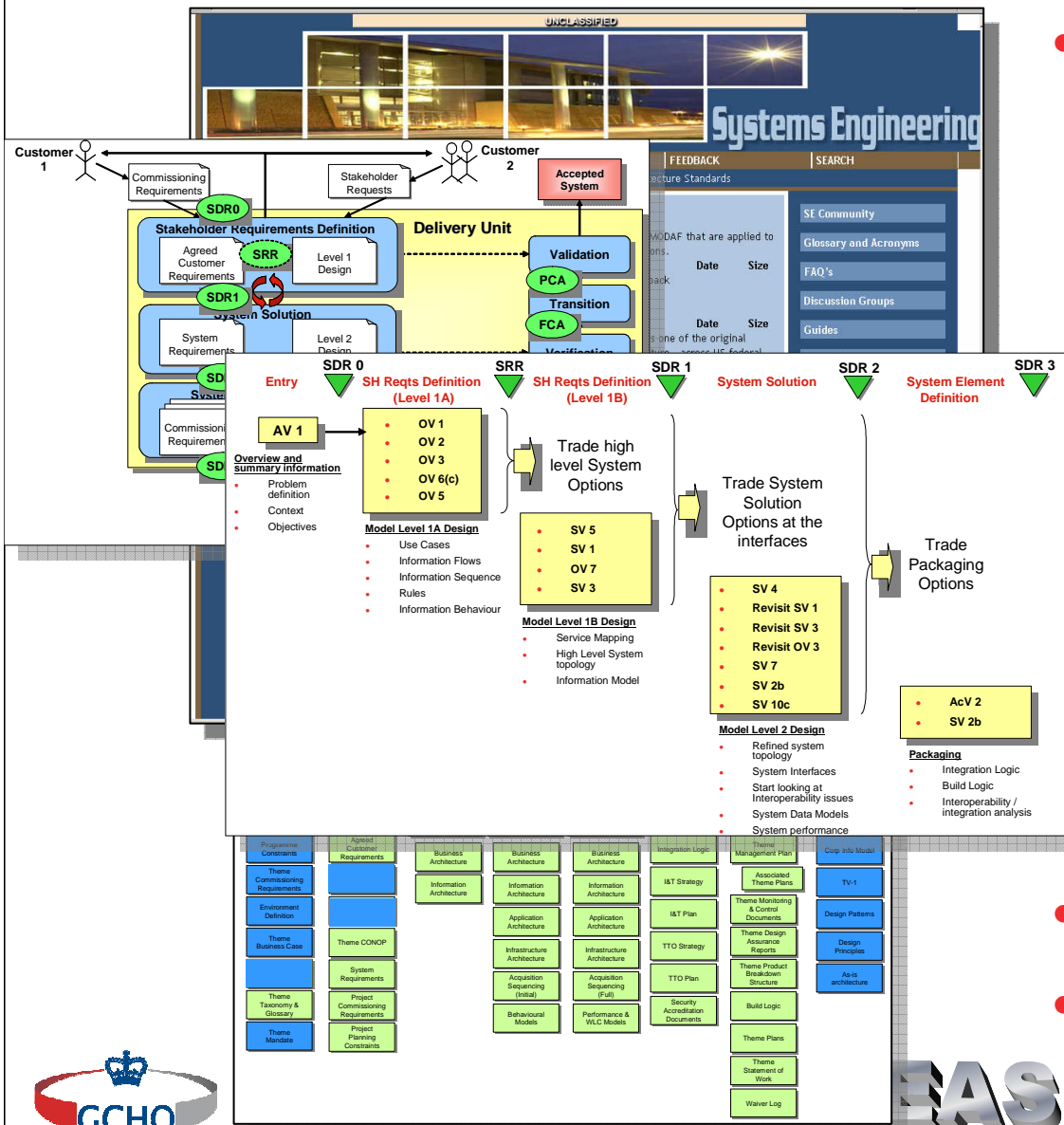
Developing SE Staff



Maximising the benefits of the scarce SE resource



EASE Key Outcomes: Supporting the SE Staff



- The SE Knowledge Base contains a growing repository of SE resources:

- Standards
- Guidebooks and handbooks
- Methodologies
- Templates
- Case studies
- SE roles and competences
- Enterprise architecture
- ... and much more

- SE and EASE wiki
- SE surgeries

We need a true perspective of the Enterprise Architecture task

Culture Change



“Okay, Dragon, I’m an Architect, come out of that cave and fight!”

Wisdom on our EA business change initiative

Enterprise Traction comes from skills
growth and deployment,
not technology and clever designs

You cannot build an integrated system
without an integrated organisation

