FOI
TOTALFÖRSVARETS
FORSKNINGSINSTITUT

EVALUATION OF HUMAN PERSPECTIVES IN SYSTEMS OF SYSTEMS:
A CHALLENGE OF THE FUTURE MODELING AND SIMULATIONS DEVELOPMENT

Henrik Friman and Gunilla Derefeldt

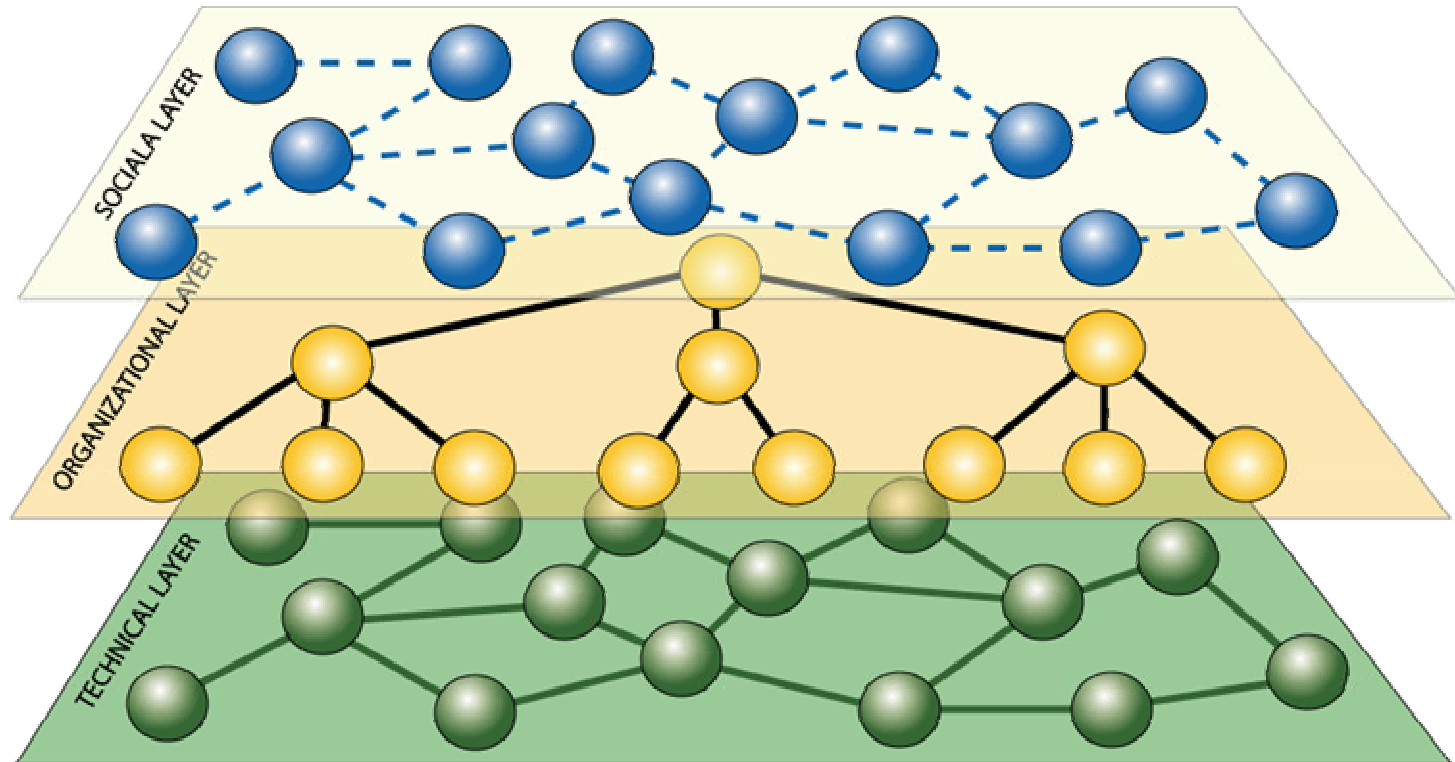SWEDISH NATIONAL DEFENCE COLLEGE

Co-ordination group NBD

The Complex Network Society

- Network societies are based on sensors, decisions and services

- Not just value changes of products

- All processes don't need to have their own or all sensors or services, which gives lower costs and/or increase effects out of the processes

- The focus is more on the relations then the platforms

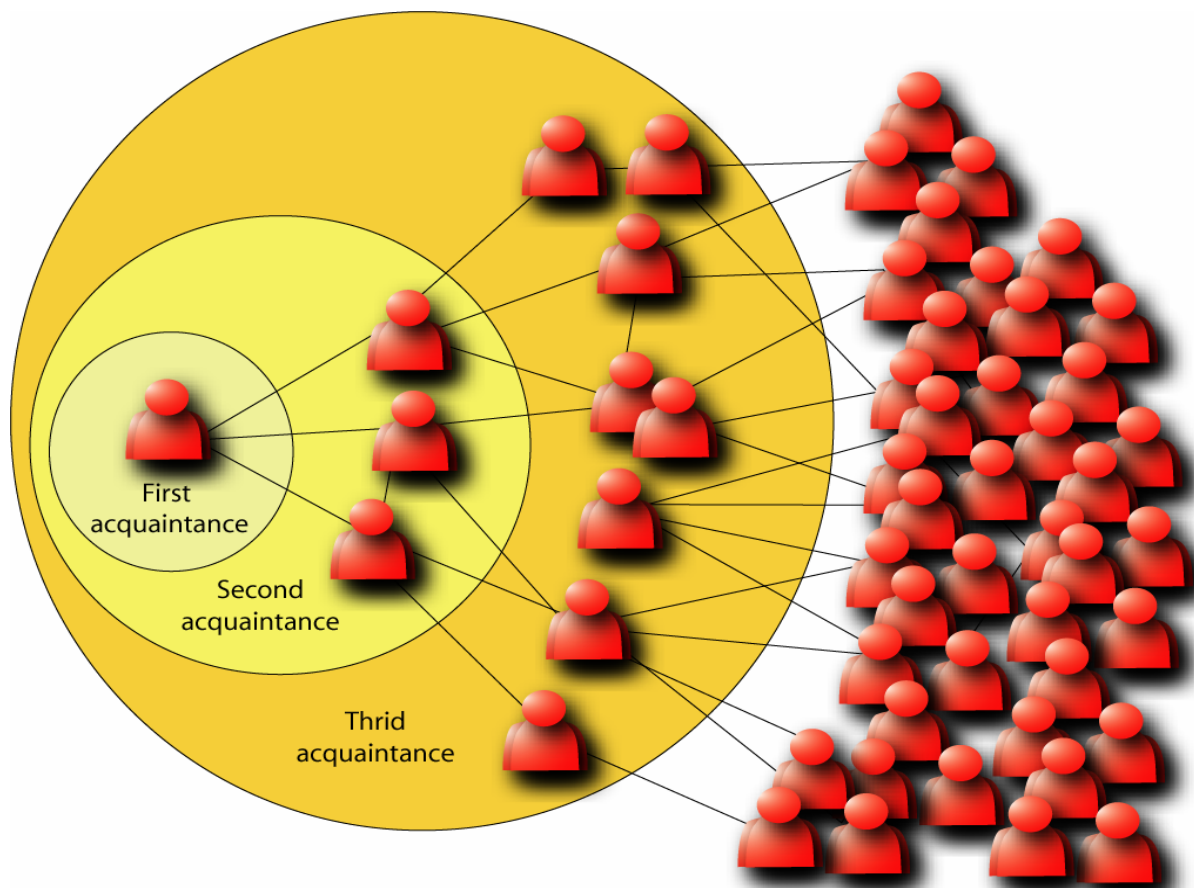# Different types of Networks

"One might define military culture as the sum of intellectual, professional, and traditional values possessed by an officer corps"
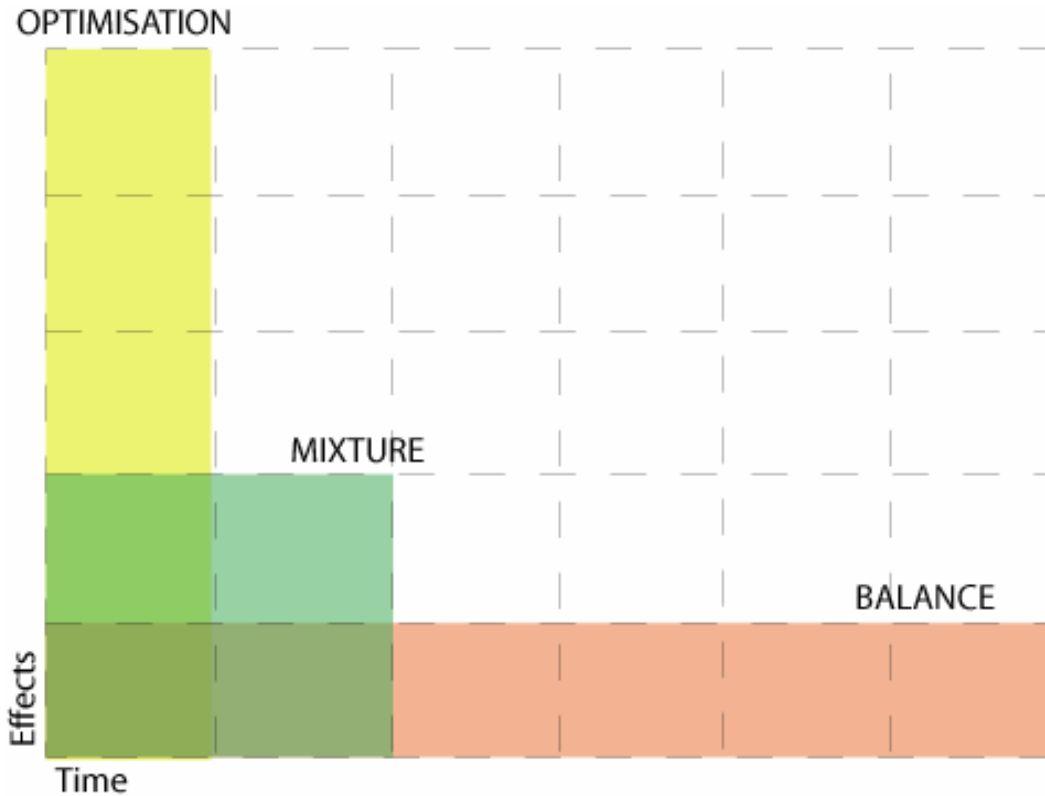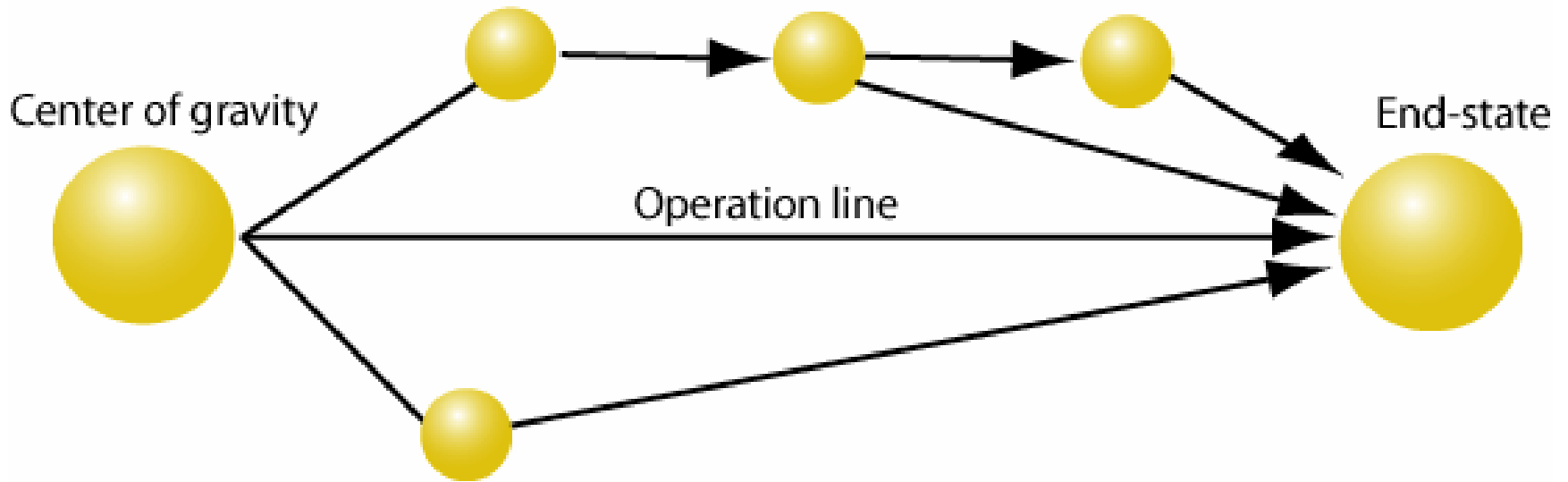
Murray (1996:p 26)

Time frames in development

Doctrines	Concepts	Visions/Ideas
NATO model	**Network Based Defence** (NBD) development	Strategy studies

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NBD concerns something more the <u>just</u> Digitalisation of today's processes!

Social Networks
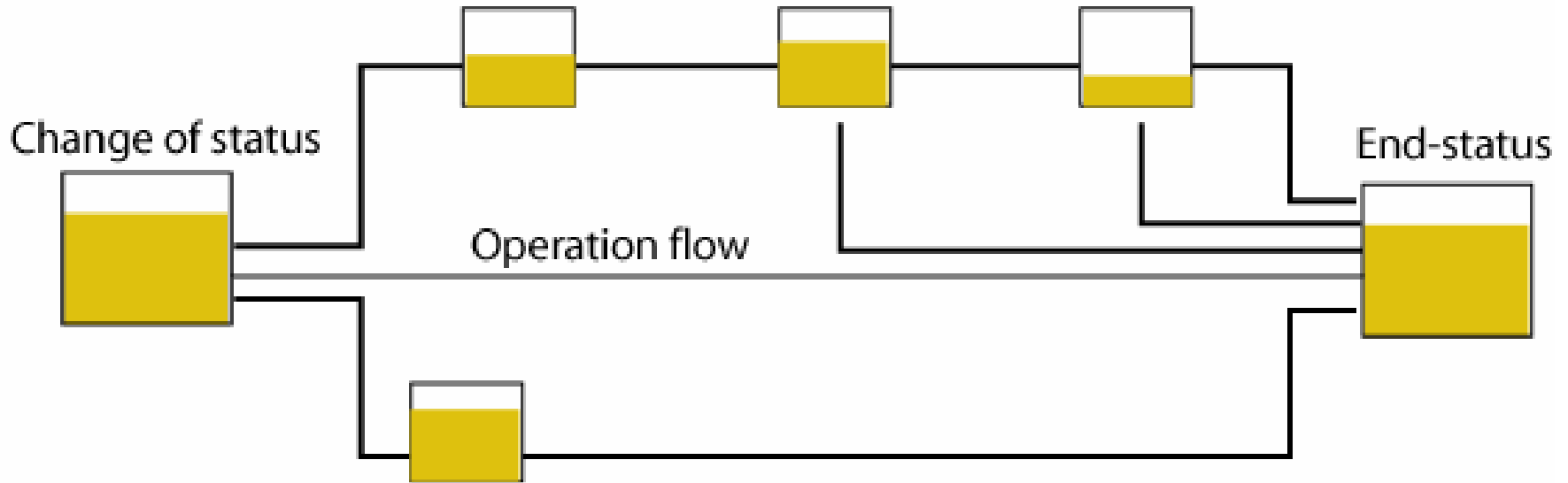
Effects of optimization and balance

Traditional GOP process

Traditional GOP process

Taking Balance into GOP

Balanced GOP process

Value chains trough GOP (the potential grid)