

Command and Control Faster Decisions



4th Biennial Conference

Presented by Cobus Venter
10 October 2012

Command and Control

Assessment

Situation



Planning



Functions



Control



Tasking

DPSS Objective



Ends

Increase the Defence Capability of South Africa

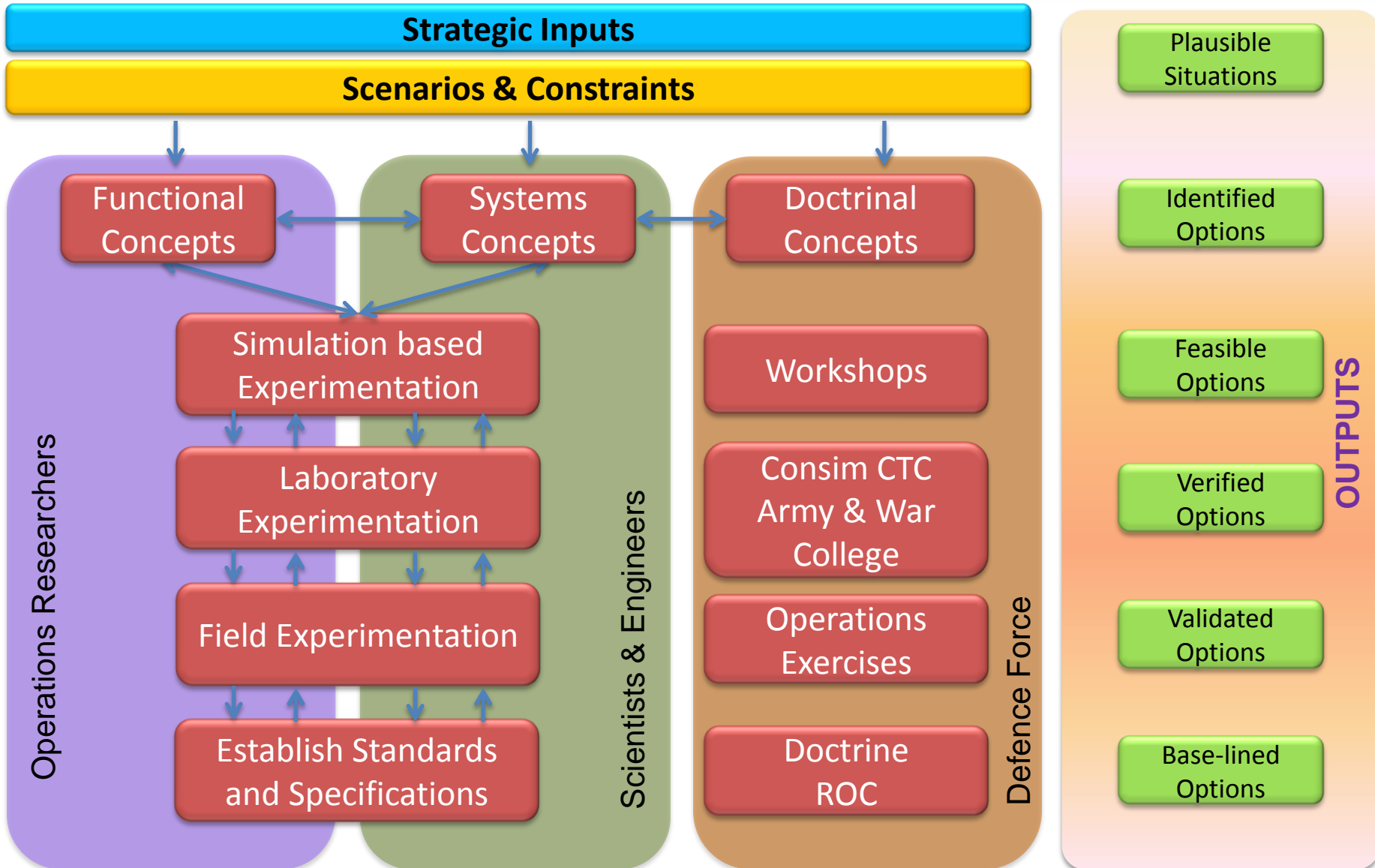
Ways

Improve and Optimise the Command and Control Functions

Means

Concept Development, Experimentation & Simulation

Joint Concept Development and Experimentation



Cooperation to make it work

The Coalition of the Willing

Together Each Achieves More

Performing Concept Development, Experimentation and Simulation

In order to

Increase the Defence Capability of South Africa

CMIS
IDE

SA Army
FSAAS

SA Army
Doctrine

JOPS
Cap Dev

JOPS
Ops
Planning

Technology
EDERI/C2Tech

Supported by

DPSS

SAAB

THALES

Global Comms

DDSI

ERGOTECH

Example 1: Future SA Army Strategy and Joint Operations Support



Campus Experiment



Example 1: Future SA Army Strategy and Joint Operations Support

Campus Experiment



Example 2: Future SA Army Strategy and Joint Operations Support

FieldExperiment

Cytoon BSS

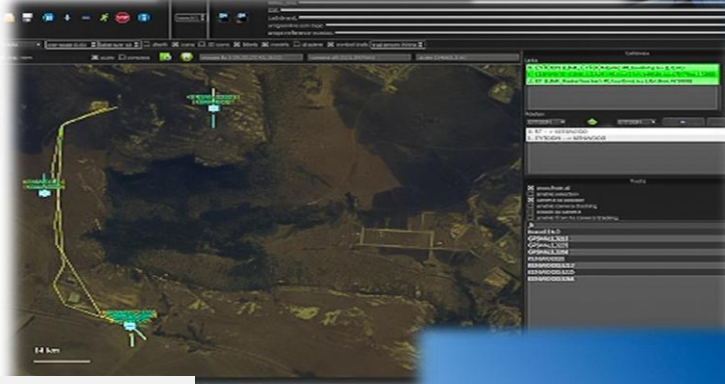


IDE GATEWAY



CHAKA

OPS REPEATER



GPS MIKE



MOBILE REPEATER

Example 2: FIFA 2010 Preparation Support

Field Experiments



Brig Gens Lombard
(Red Forces Cmdr) &
Kriegler (Blue Forces Cmdr)



Example 3: Gripen & Hawk Datalink Groundstation



Experimentation as the mechanism to create impact

Suggested Experiments

ESTIA 1: Safeguard South Africa – J2, J3, J6 Tactical & Platform Focus

- 8 Blueforce Tracking, Realtime Int, Coy HQ Situation Picture within Ops Context 1 (Lesotho Border at Ladybrand)
- 9 Blueforce Tracking, Realtime Int, Coy HQ Situation Picture, Inter Department Collaboration within Ops Context 2 (Sandrivier)
- 15 UAV and additional sensor interoperability within Ops Context 1 (Ladybrand)

ESTIA 2: Safeguard South Africa – J1, J4, J5 Operational & Strategic Focus

- 10 COY HQ and above, Joint Situational Reporting within Ops Context 3

CONSILIO: Defend and Protect South Africa Safeguard South Africa – Operational & Strategic Data Exchange

- 13 Inter HQ Data Exchange

IRAT 1: Defend and Protect South Africa – Tactical & Platform Focus

- 11 Tactical C2 Datalink: Air (a Gripen , b Hawk and c Oryx)
- 12 Tactical C2 SAIS: IFF Air
- 14 Tactical C2 Datalink: Maritime
- 16 Tactical C2 SAIS: IFF Maritime
- 17 Tactical C2 Datalink: Air (Joint Gripen , Hawk and Oryx)

Future Activities



Situation

Assessment



Expand with more Systems and sensors

Planning



Consolidate and integrate Information sources



Control

Research effectiveness measures



Tasking

Develop new mechanisms

Impacting on Defence Operations through Scientific Experimentation

Benefit to the client environment:

- Reduced risk regarding technology and process implementation
- Coordination between SANDF, Research and Industry
- Better means to motivate and audit future spending



Thank you

