



SAS027 Analysis of Smaller Scale Contingencies



*What is unique about the analysis of
Small Scale Contingencies?*

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Report Documentation Page

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What is Unique about the analysis of *Small Scale Contingencies?*

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Characteristics of the analysis system

- ✚ Scenarios
- ✚ Measures of Merit
- ✚ Data
- ✚ Tools and Techniques



Characteristics of the analysis system

- **Stakeholders**
- Scenarios
- Measures of Merit
- Data
- Tools and Techniques



Characteristics of the analysis system

- ❖ **Foundations of SSC Analysis**
- ❖ Stakeholders
- ❖ Scenarios
- ❖ Measures of Merit
- ❖ Data
- ❖ Tools and Techniques
- ❖ **Future of SSC Analysis**



Foundations

- ⊕ 10 years research.
- ⊕ Maybe a few hundred scientists.
- ⊕ Limited confidence in SSC analysis.

- ⊕ Not unexpected, rapidly changing global environment shapes our priorities.



Stakeholders

- ❖ Involving all stakeholders is best practice.
- ❖ Large and diverse stakeholder group, extending beyond military decision makers.
- ❖ Hard to achieve cross-government 'buy-in'

- ❖ We cannot yet answer the bigger questions, but we can still make a significant contribution



Scenarios

- ❖ Scenarios appropriate for defence issues, to be used with appropriate caveats.
- ❖ Wealth of historical examples to choose from.
- ❖ Multiple actors.
- ❖ Actual threat level.
- ❖ Dispersed deployment.

- ❖ Building scenarios should not be hard.



Measures of Merit (MOM)

- ⊕ Measuring success is not straight forward.
- ⊕ Aims, end-states and the links between them and MOM are also uncertain.
- ⊕ Require MOM based on human (soft) factors.
- ⊕ Often look for a measure of null effect.



Data

- ❖ Limited data collection to date.
- ❖ Collecting SSC data should be easier.
- ❖ But, still unsure as to which data are key.
- ❖ Surrogate data required (soft factors).
- ❖ Ethnographic and cultural factors apply.

- ❖ There is a wealth of data out there.



Tools and Techniques

- ❖ The biggest challenge is understanding how to simplify the system.
- ❖ Do we also need to increase the scope of MTW tools and techniques?
- ❖ Can we eventually join a simplified SSC tool-set to an expanded MTW tool-set?
- ❖ Limited bespoke tools & techniques available.



The Future of SSC Analysis.

- ✚ Identify new stakeholders and their priorities.
- ✚ Simplify the SSC system boundaries.
- ✚ Identify common areas between SSC & MTW
- ✚ Increase our understanding of the links between aims, end-states and MOM.
- ✚ Increase our understanding of human factors.
- ✚ Identify and process key data items.
- ✚ Continue to develop SSC tool-set!

Final thoughts

- ✚ Analysing SSC is NOT:

- ▣ Impossible
- ▣ Insurmountable
- ▣ Too hard

- ✚ But it is:

- ▣ Possible, as long as we are prepared to try