



M.O.R.S.



Agent-Based Models and Other Analytic Tools in Support of Stability Operations Conference
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Military Assessment

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Agenda



- Definition
- 5 W's
- How? (or How hard?)
- Metrics



BLUF



...Know what your going to measure and why before deciding how to measure it.



Military Assessment



“The continuous appraisal of military operations to determine progress towards established goals.”

Marine Corps Doctrinal Publication 1-0 Operations

- Focuses on outcomes
- Output of which is oriented on the future



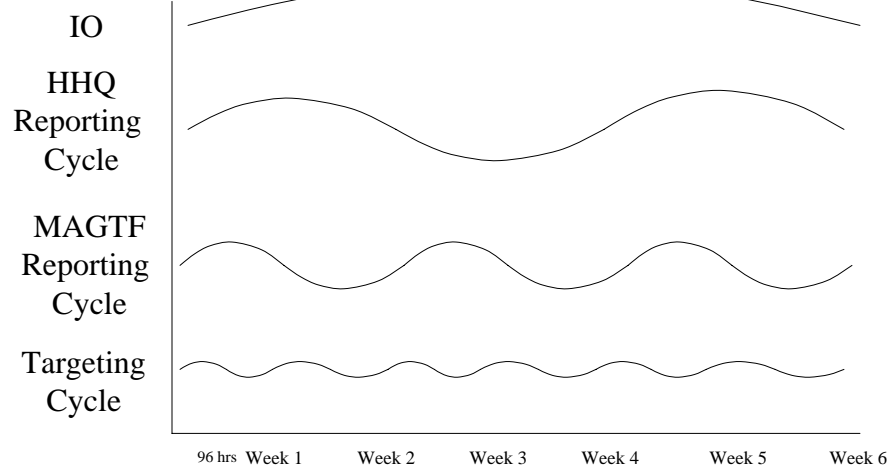
Who (command) ...and When...



- Marine Corps believes assessment serves the commander
 - Improve decision making (quality and speed)
- Commander can employ staff to determine what requires assessing and determine resources required to conduct assessment
- Battle rhythm will dictate how often
 - MRC vs MOOTW/SASO/COIN



Battle Rhythm





Why...



- History has shown that operational and strategic ambushes occur when we get caught up in “current fight”
- Idea of “campaign” not foreign; how to measure towards campaign objectives still an art form.
 - Capacity to measure progress towards meeting campaign objectives in MOOTW still borders on a mystery



What...



- Not obvious
- Not always obtainable
- Not always relevant
 - “We did because we could...”
- Will change
- ...sometimes linked to “how” and “who”
 - Unique collection capabilities



Who (subordinates) ...and Where...



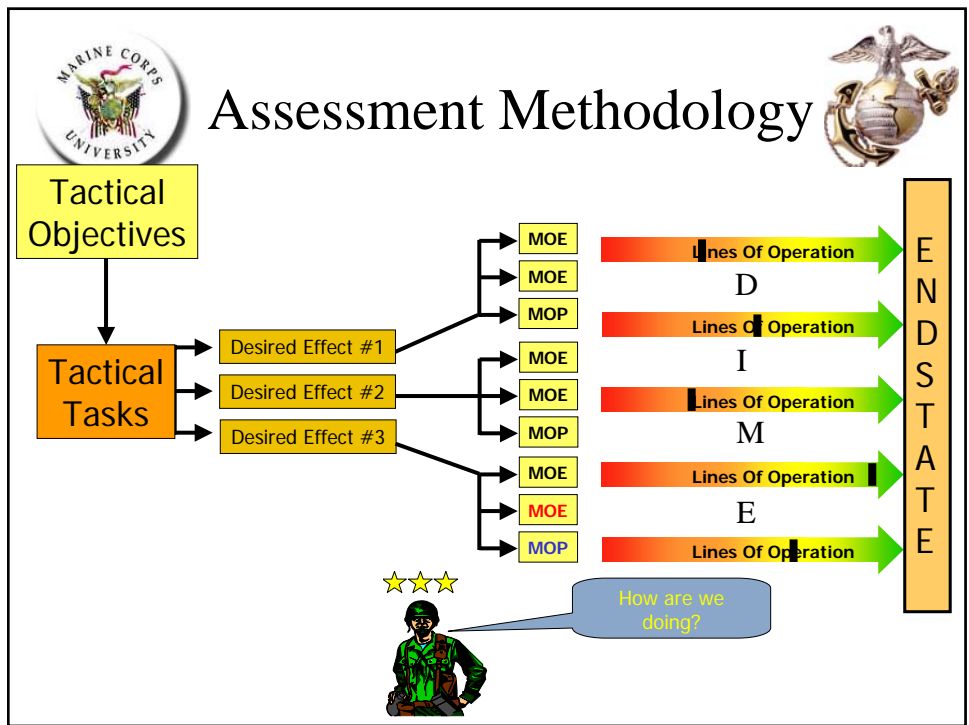
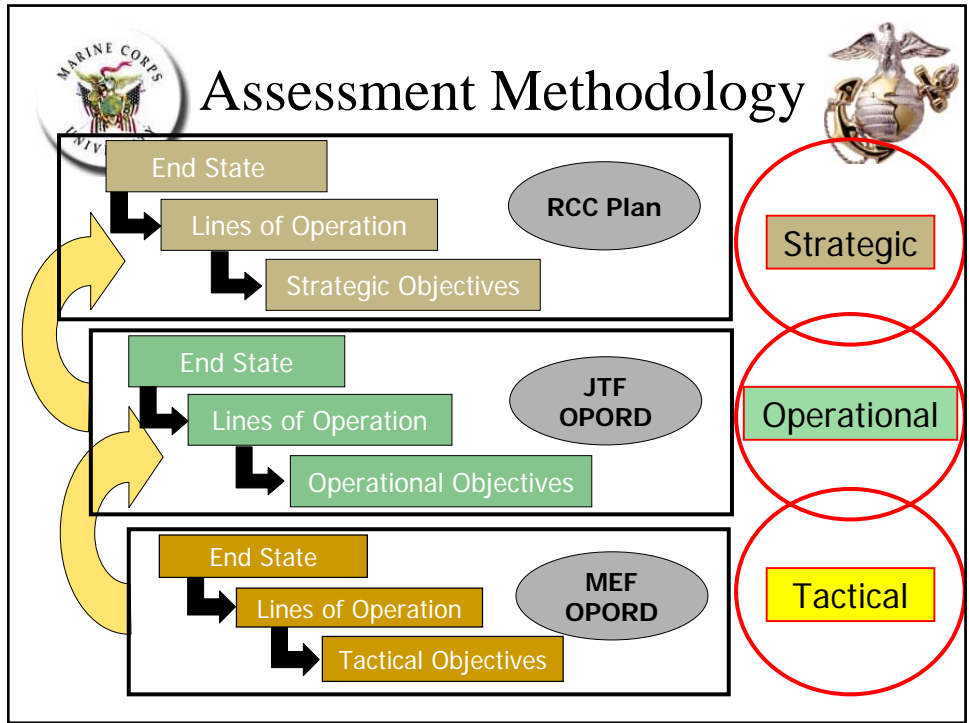
- Environment dictates methods not the ‘rule book’
- IM strategy – imbed or extract every ounce to prevent undesired redundancy
 - Combat reporting is a discipline not a supplemental activity
- Supporting players have access “soldiers” don’t
 - OGA
 - NGO’s
 - Coalition partners
 - Provisional/Local milt and non-milt



How...



- SOP - Build in Assessment (Red Team, War Game, CCIR, DPs)
- Rehearse/train key players/staff/subordinate Cdrs
- IM portion of plan reflects collection strategy
- Assessment “Team” and/or process reflect operational environment
 - Are the right players at the table?
 - Are they examining the correct information?
- Produce snapshot “where are we compared to where we want to be”
 - What’s working, what’s not, what can/must we do differently?
- Don’t confuse assessment with analysis
 - Where we “are” is a report card; not a COA

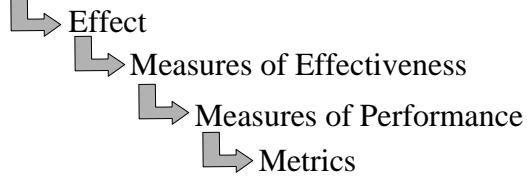




Metrics



Line of Operation



- Define hierarchy and relationships
- Provide framework to customize relationships (Correlations?)
- Define process for validating relationships



Example – Phase I Training



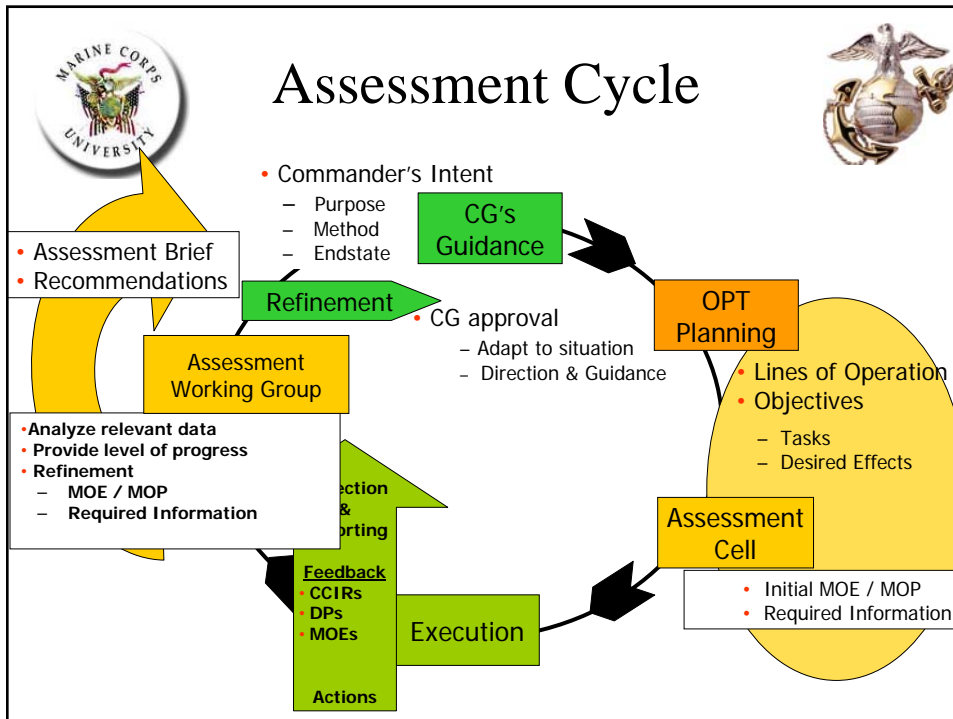
Brigade Alpha	Personnel	Uniforms/ Equipment	Vehicles	Comm	Weapons
BN #1	●	●	●	●	●
BN #2	●	●	●	●	●
BN #3	●	●	●	●	●
BN #4	●	●	●	●	●
BN #5	●	●	●	●	●
BN #6	●	●	●	●	●

● > 85% ● > 65% ● < 65%

71% complete!



Questions?





Merriam-Webster's



- Analysis
 - “separation of a whole into its component parts”
- Assessment
 - “to determine the importance, size, or value of”