



16th ICCRTS
“Collective C2 in Multinational Civil-Military Operations”

Title: Kitae II-Knowledge Development in Battlespace Helmand

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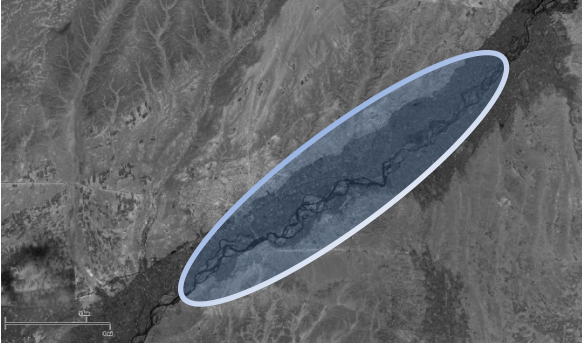
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- 1. RCT & Constructivism**
- 2. Identities and Interests**
- 3. EBAO Context**
- 4. COIN**
- 5. Agility**



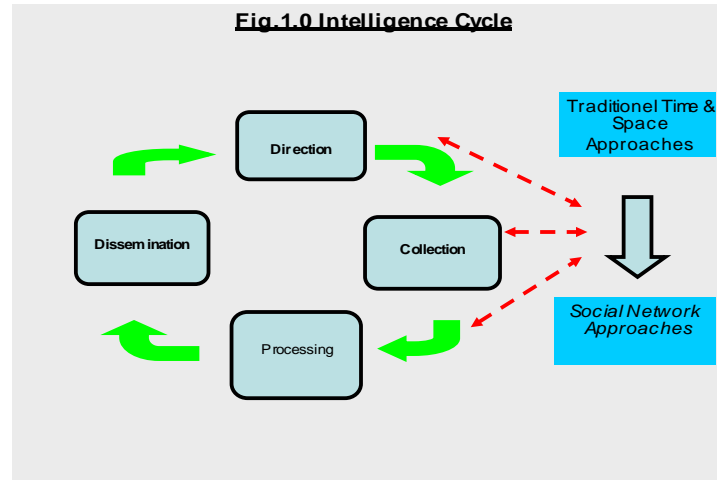
ANALYTICAL FRAMEWORK



Social Network Analysis (SNA) vs. Traditional Time & Space (TTS)

Participant Observation DABG:INTELL OFFICER ALL-SOURCE/TARGETING/SOF

The Commanders intent for the 6 months was to re-gain CF FoM in order to access the local population for human terrain mapping, and to set the foundation for expanding GIRoA influence.

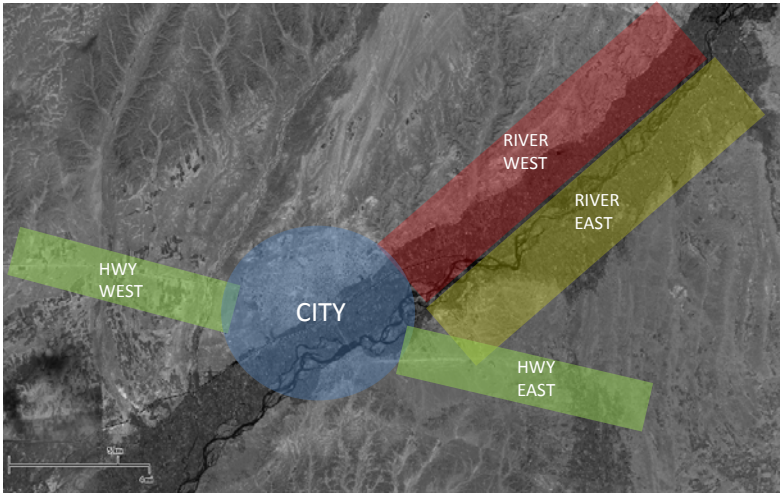


1. DIRECTION
2. COLLECTION
3. PROCESSING
4. DISSEMINATION

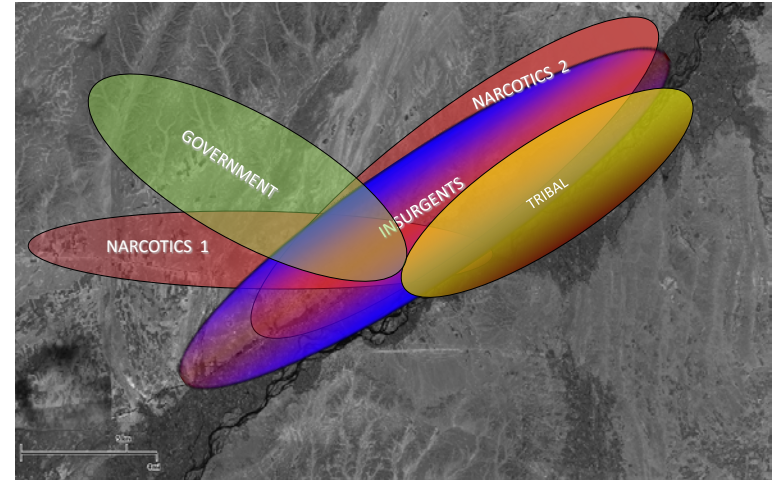


DIRECTION

Map 1.0 Traditional AO Division



MAP 2.0 Network Approach





COLLECTION

Table 1.0 TTS Approach to ICP

What are the names of INS in the AO? What weapons due they carry?
That are the names of INS commanders in he AO?
Do local INS have family in the area?
What is the names of the INS patrol leaders?
How often does the INS patrol in the area?
Who is the mullah for the INS?
Where do the INS come from?
What type of vehicle do the INS drive?
Do any of the INS use a Motorollo? Name?
Which INS does most of the talking at shuras?
What is the name of the INS judge for the AO?
What is the name of the INS who decides how much the LN will be taxed?
Who are are the INS in the area? What are their function?
Where do INS live/BDL in the area?
Where are there INS staging areas in the area?
Are there HME storage facilities or locations in the area?
What are the family names and tribal affiliations of the INS in the area?
Where are there arms caches in the area?
Which INS gives the orders to the other INS?

Table 2.0 SNA Approach ICP Example

What are the names of major landowners (Khans), their tribal affiliation, their place of residence, contact info?
The names of elders, their tribal affiliation, their place of residence, contact info?
The names of mullahs, their tribal affiliation, their place of residence, contact info?
The names of doctors, their tribal affiliation, their place of residence, contact info?
The names of shop owners, their tribal affiliation, their place of residence, contact info?
The names of other major employers, their tribal affiliation, their place of residence?
The names of other Maliks, their tribal affiliation, their place of residence?
Who owns the compounds?
Who buys the produce (who do they sell to and where)?
What do they grow on their land?
How do they settle local disputes?
Do the INS provides shadow governance?
How much do INS tax LN?
How much do GIROA/ANP tax?
How do LN receive the local/regional/national news?



PROCESSING

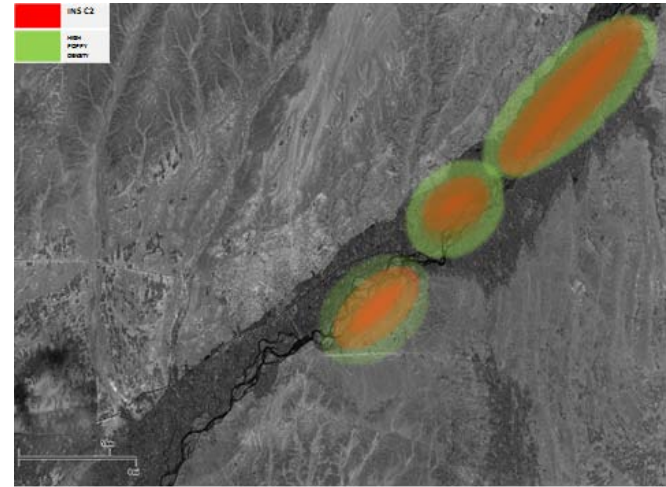
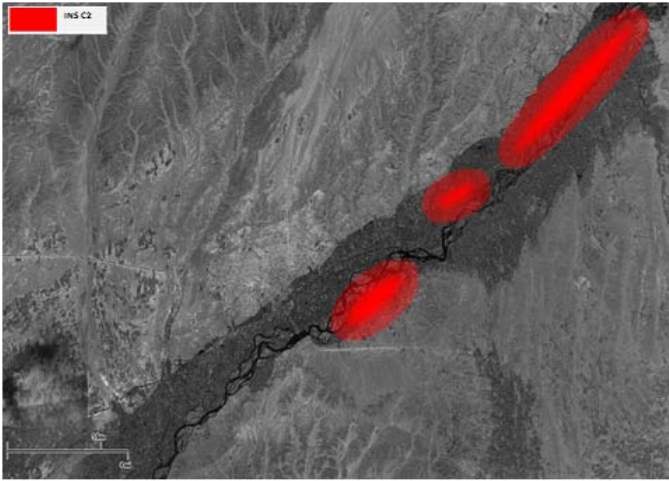
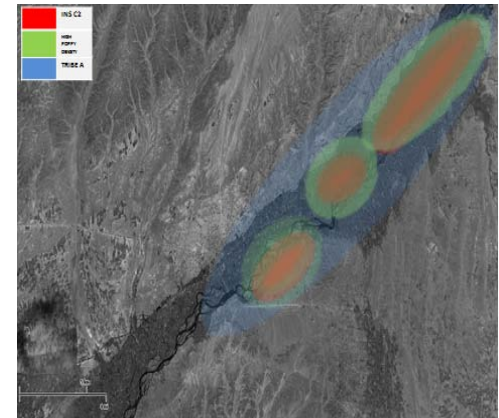
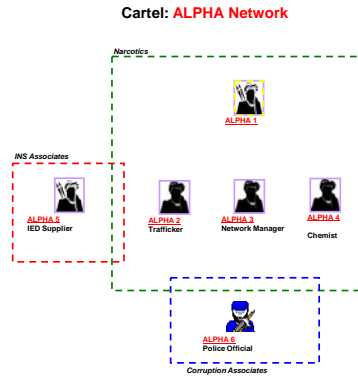
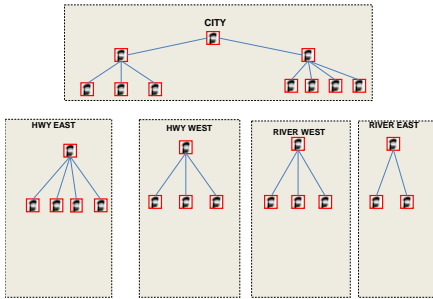
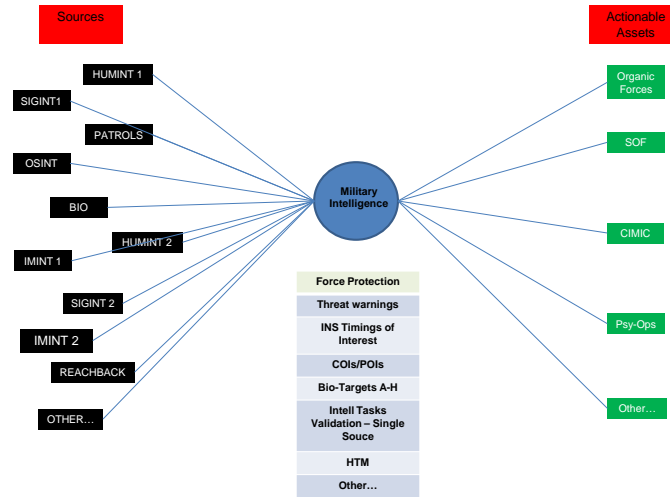


Fig. 2.0 TTS C2 Approach





DISSEMINATION



IN A COIN ENVIRONMENT THE BATTLESPACE IS THE KNOWLEDGE BASE

Fig. 6.0 TTS Dissemination Structure

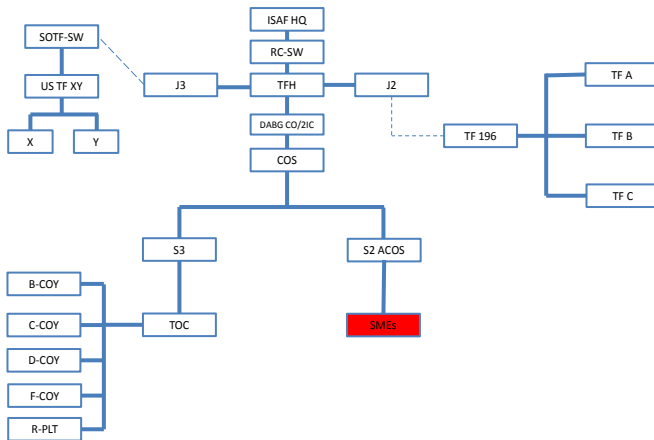
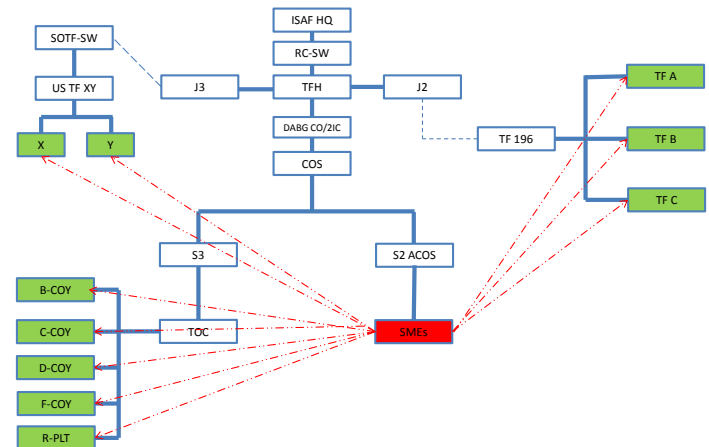


Fig. 7.0 SNA Dissemination Structure





SUMMARY

1. Direction in a complex battlespace is greatly enhanced by SNA approaches to situational awareness development.
2. Exclusive use of TTS approaches in a complex environment undermine enemy FoM situational awareness.
3. Exclusive use of TTS approaches in a complex environment undermine force ratio calculations.
4. Timeliness is everything in a COIN environment.
5. INS have communication/information C2 dominance if permitted to use GSM.
6. TTS alone is unsuited to PMESII and EBAO driven planning processes.



FUTURE RESEARCH

1. Isolate and identify key principles of ensuring proper direction in a complex battlespace.
2. Taxonomy of SNA techniques and approaches.
3. Isolate and determine effects on approaches of flatlining technologies.
4. Isolate and determine the effects of GSM dominance on timeliness and battles space agility.