



THE FUTURE OF COMMAND AND CONTROL SYSTEMS

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“THE FOG OF WAR”

Carl Von Clausewitz, On War

“A metaphor for war’s uncertainty and complexity”

The military is used to reconceptualize the way conflicts are understood

A drastic digital transformation of the future battlefield



Courtesy: EDA flickr

REFORMULATING THE CONCEPT OF COMMAND AND CONTROL (C2)

COMMAND

Authority and Direction



CONTROL

Manage and supervise



C2 SYSTEM

Means that assist the C2 function

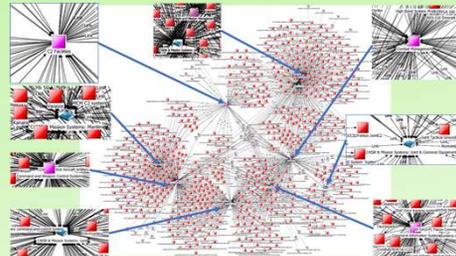


What would be the human's involvement in the decision cycle?

1 Identify existing C2 systems



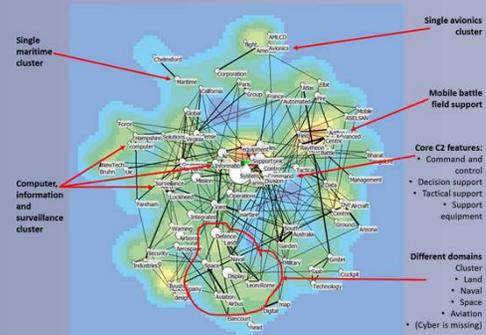
2 Mapping existing C2 systems, globally and extract main domains



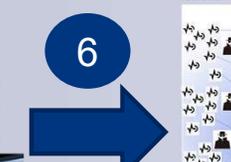
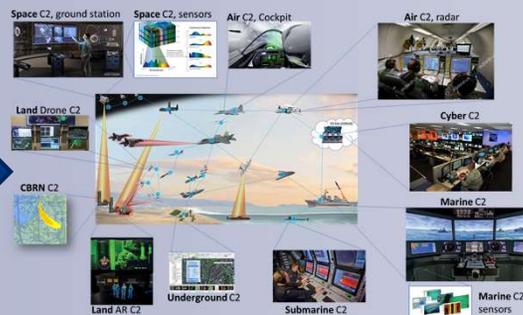
3 Derive the core features of existing C2 systems



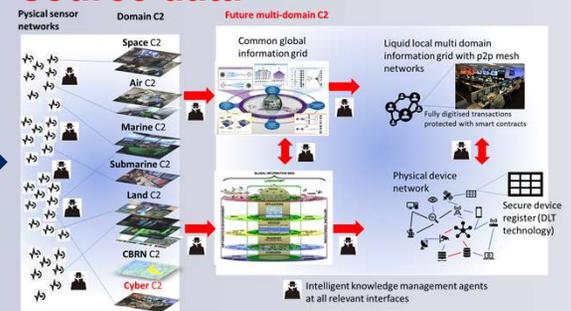
4 Topic mining from description of existing C2 systems



5 Identify future tech trends in main C2 domains, open source data

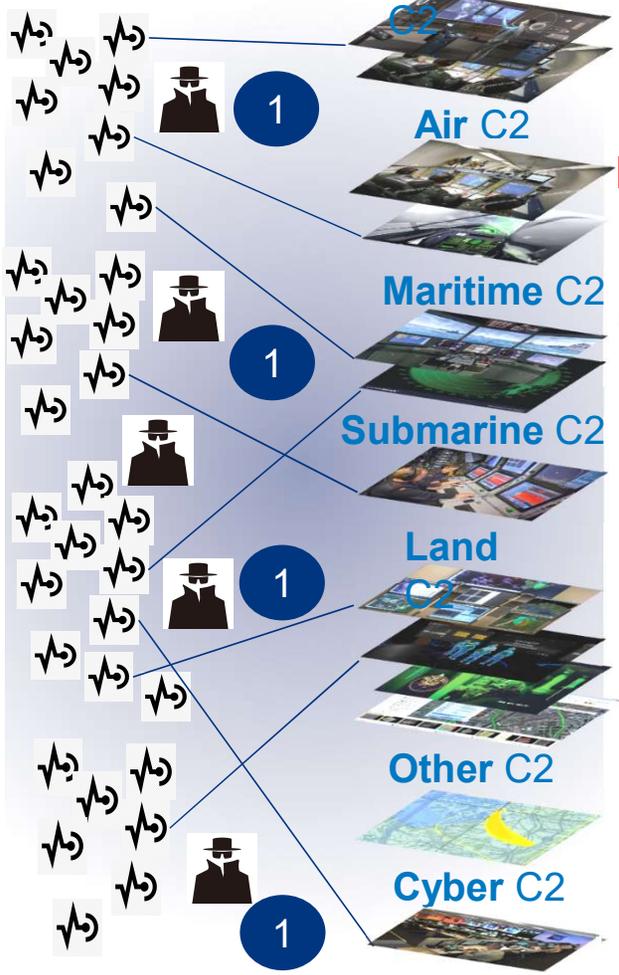


6 Propose the core features of future C2 systems, open source data



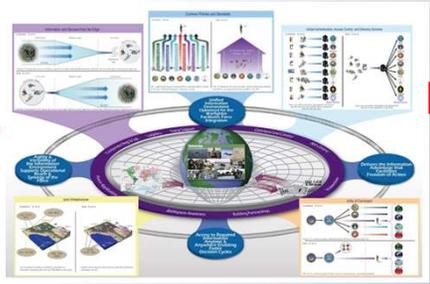
Physical sensor networks

Domain C2



Future multi-domain C2

Common global information grid



Liquid local multi domain information grid with p2p mesh networks



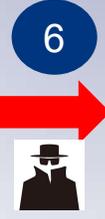
Fully digitised transactions protected with smart contracts



Physical device network



Secure device register (DLT technology)



Intelligent knowledge management agents at all relevant interfaces



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Thank you for your attention !