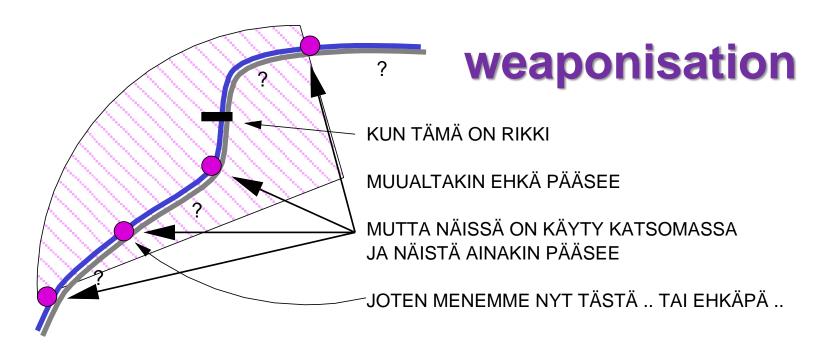
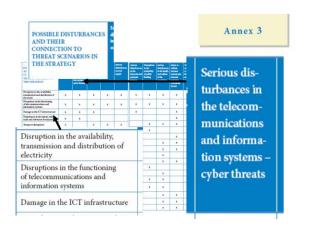
Cybers as <u>keys</u> to other hybrid weapons - and vice versa

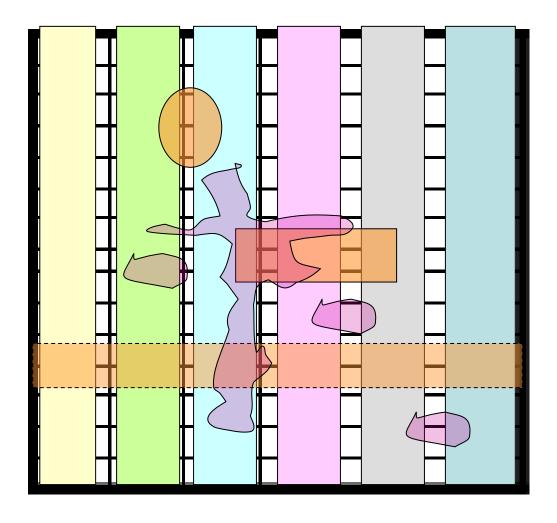






Security strategy vs cyber strategy









Cybers and other fields of hybrid

M

MILITARY

CYBER

- Block the use .. public service, lock computer, hijack mower fear everything smart
- Stop invoices food, petrol, cash "hoard while you can"
- Robotized information: quantity&speed vs quality
- Steal, use and publish "secrets" to use = decisions, plans publish = timing, altering
- Block and break the system ... paper mill, water station (IIoT)

Kyber ja informaatio – hybridin parivaljakko – Pimeyden professori | Apu

M

SPECIAL

OPS

DIPLO-MACY

6

Inside and offside of weapon systems .. GNSS, EW, HPM, EMP .. intel & targeting

ECONOMY

INFRA-STRUC-

TURE





M

REBELS

PROPAGANDA

CITI-

ZENS



Ease of use

- DDOS ... (buy) load and use
- mass intel ... use "fools" ... take ransom
- crowdsource and direct
- 0-day attack ... until the next day
- APT important targets & long time & resources
- "we are in"
 - are we?
 - where are we?
 - are we still in?
 - is that the red button?
 - will it stop or even break?
 - can we get out without a trace?

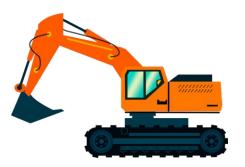




Physical aspects



- Fibre-optic cables
- GPS jamming (EW)
- HPM pulse
- EMP pulse







Verkkotaistelu 2020 (2004) Kybertaistelu 2020 (2015)



04.10.2022