ARMY "REQUIREMENTS" FOR MOBILE MESH NETWORKS [1]

- NUMBER OF MOBILE HOSTS
  - NAVY RADM (★,★★): CVBG CDR – ~10 SHIPS / 80 AIRCRAFT
  - AIR FORCE BG (★): WING CDR – ~100 AIRCRAFT
  - ARMY MG (★★): DIVISION CDR – ~4000 VEHICLES

    EXAMPLE: DIVISION DESERT WEDGE *
    22,500 Soldiers, 350 Tanks, 285 IFV,
    80 Helicopters, 115 Howitzers, 36 MLRS

    EXAMPLE: TF XXI (BRIGADE = ~1/3 of a Division)
    1252 Platforms (840 Ground, 412 Helicopters) **
- SIZE OF MOBILE MESH AREA
  - NAVY CVBG: Typical 200^2 NM^2 (~ 3 X 10^4 KM^2)
  - AIR FORCE WING: >> 1000^2 $Miles^2$ (> 2.5 X 10^6 KM^2)
  - ARMY DIVISION: ~ 2000 – 7000 KM^2 (~ 5 X 10^3 KM^2)

    DESERT STORM WEDGE: (25–45 KM Wide) X (80–150 KM Deep)

* *Certain Victory: The U.S. Army in the Gulf War*; Robert H. Scales, Jr., 1993
** Army Digitization Office Web Page: http://www.ado.army.mil