



JKH My 1st cut!

ROLES OF AEGIS SHIPS IN MISSILE DEFENSE

Aegis BMD

Cruisers and Destroyers ~~Have Similar Combat Systems, but~~ Cruisers Have:

~~More Command and Control Capability, Including Topside Antenna Real Estate~~

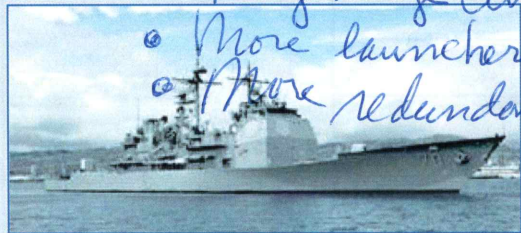
- More Companion Warfare Systems *with more potency.*
- Longer Sustaining Independent Capacity
- Increased Robustness in System Design (e.g., Separate Radar Deck House)

• *Hangared helo capability*

• *Long Range Air*

• *More launchers*

• *More redundancy*



Cruiser

Search radar at ~ 1200 mc.

Foundation of BMD Engagement Capability – a Basic Mission

Missile Defense Strike Group Leader, Enhanced when Inherent C&C

Supplemented with Advanced Systems

BMD Surveillance and Track *Tasks* Inherent in Basic Mission

Limited 5.3.8 Cruisers (3-4) *(you can have as many CG's as you want)* Imply Engagement Capability Should be

Supplemented with Destroyers



Destroyer *

patrols Focused on BMD Surveillance and Track and Aegis BMD Signal Processor

Testing – Supplementary Missions *or Tasks*

Future Effort will add Engagement Capability, but will not Equal Cruiser

BMD Capability Due to Fundamental Differences Noted Above

Pursuant to Aegis Design Policy
DESPITE MISSION DIFFERENCES, AEGIS BMD BLOCK 2004 COMPUTER PROGRAMS WILL BE SIMILAR, BUT UTILIZE ADAPTATION DATA TO ACCOUNT FOR COMBAT SYSTEM DIFFERENCES

** Future BMD Engagement capability for Destroyers is in the planning stage.*

Much of the operational computer programs are common. It may be said that destroyers have some "quality" but significant less "quantity" than Cruisers.