DEFENSIVE STRATEGIC WEAPONS AND INTRAWAR DETERRENCE IN THE MIDDLE EAST

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MENA DEFENSE ECONOMICS
SUBREGIONAL BREAKDOWN:
ASSESSING THE GCC UPTREND (IISS, Mil Balance 2015)

Note: Analysis excludes Libya, Syria and the Palestinian Territories due to insufficient data availability. Figures for Iran, Lebanon, the UAE and Qatar are estimates.
A REGION AT ARMS: MENA DEFENSE EXPENDITURE AS % OF GDP (IISS, Mil Balance 2015)
GCC’s ‘Reactive’ Lead in Arms Transfers: Economic Effects of Iranian Missile Threat (CSIS, 2015)

Arms Transfer Gap:
GCC vs. Iran
27.5:1 in 2007-2014
33.1:1 in 2009-2013
10.4:1 in 2004-2008
INTRAWAR DETERRENCE IN CONTEXT:

- STRATEGIC WEAPONS AND FIGHTING WARS WITHIN WARS
  - "The concept of intrawar deterrence involves a process of explicit or tacit bargaining within an ongoing war that still has key limits or thresholds that have not been crossed". (Terril, 2009 SSI).

- 1973 – THE FIRST SCUD BATTLEFIELD LAUNCH


- SADDAM HUSSEIN, STRATEGIC WEAPONS AND FALSE CALCULUS ON INTRAWAR DETERRENCE
STRATEGIC WEAPONS IN CONTEXT

- OFFENSIVE STRATEGIC WEAPONS: WMDs + MISSILE DELIVERY
- MILITARY GEOSTRATEGIC ASPECT OF OFFENSIVE STRATEGIC WEAPONS
- MENA MILITARY STRATEGIC CULTURE ASPECT
DEFENSIVE STRATEGIC WEAPONS IN CONTEXT

- STRATEGIC VULNERABILITY AND AIR & MISSILE DEFENSE
- POLITICAL SIGNALLING
- THE IMPORTANCE OF SATURATION AND EXO-ATMOSPHERIC INTERCEPTION ISSUES
- SHORTER RANGE PROJECTILES AND EUPHORIA OF “IRON DOME”
DEFENSIVE STRATEGIC WEAPONS AND NETWORK CENTRIC WARFARE

Two Tier Theater Ballistic Missile Defense (TBMD) – THAAD & PAC 3
Endo and Exo-Atmospheric Engagements using Shoot-Look-Shoot & Hit-to-Kill

Need to destroy as many Missile Launchers as possible, pre-boost phase, in order to reduce number of incoming warheads.

Upper Tier 1st Intercept

Upper Tier 2nd Intercept

Lower Tier 1st Intercept

Lower Tier 2nd Intercept

Qatar: Missile Early Warning Radar

Qatar

Arabian Gulf

UAE

Oman

Saudi Arabia

TBMD System | Defense against
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THAAD : UAE | SRBM (<1000 km) and MRBM (1000 - 3000 km)
PAC-3 : UAE, Kuwait, Saudi Arabia | SRBM (300 – 1000 km)
STRATEGIC DEFENSIVE WEAPONS TRENDS IN THE MIDDLE EAST AND INTRAWAR DETERRENCE: CONCLUSIONS