MARITIME CALCULATIONS ON THE KOREAN PENINSULA

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Maritime Security Challenges 2018
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OUTLINE

- Operational Geography
- North Korean Capabilities
- Operational Challenges
- Deterrence Dynamics
- Wider Threats & Sanctions
- The Future
OPERATIONAL GEOGRAPHY
## NORTH KOREAN CAPABILITIES

<table>
<thead>
<tr>
<th>Type</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ballistic Missile Submarine (SSB)</td>
<td>1</td>
</tr>
<tr>
<td>Conventional Submarine (SSK)</td>
<td>20</td>
</tr>
<tr>
<td>Coastal Submarine (SSC)</td>
<td>32+</td>
</tr>
<tr>
<td>Mini-Submarine (SSW)</td>
<td>20 (est.)</td>
</tr>
<tr>
<td>Frigates (FFG)</td>
<td>2</td>
</tr>
<tr>
<td>Patrol Craft – Missile (PCG)</td>
<td>18</td>
</tr>
<tr>
<td>Patrol Craft – Ocean (PCO)</td>
<td>5</td>
</tr>
<tr>
<td>Patrol Craft – Coastal (PCC)</td>
<td>18</td>
</tr>
<tr>
<td>Fast Patrol Boat – Missile (PBFG)</td>
<td>17 +</td>
</tr>
<tr>
<td>Fast Patrol Boat (PBF)</td>
<td>229</td>
</tr>
<tr>
<td>Patrol Boat (PB)</td>
<td>96</td>
</tr>
<tr>
<td>Mine Warfare</td>
<td>24</td>
</tr>
<tr>
<td>Amphibious</td>
<td>267</td>
</tr>
</tbody>
</table>

Source: IISS, The Military Balance 2018
OPERATIONAL CHALLENGES

PEACETIME
- Maritime Provocations
- Territorial Violations (NLL)
- Infiltrations to Land
- Fisheries
- Proliferation
- Hybrid Threats (GPS Jamming)
OPERATIONAL CHALLENGES

WARTIME
• Amphibious Operations
• SLOC (littorals)
• Sea Denial
• Ballistic Missiles?
DETERRENCE DYNAMICS

• Long Term Deterrence
• Clashes but no Escalation
• Action-Reaction Dynamic

KPN Relative Weakness & Asymmetry

v.

ROKN Resource Superiority
A WIDER THREAT?

• Low-Level Threat to International Waters

• Smuggling and Maximum Pressure
SANCTIONS AT SEA
THE FUTURE
QUESTIONS?