

R&D VISION Toward Realization of Multi-Domain Defense Force and Beyond

Background & Aims

- MOD/SDF will make focused investments through selection and concentration in important technologies including artificial intelligence and other potentially game-changing technologies.
- MOD/SDF will encourage company's prior investments and leverage its strength to full potential by ... improving foreseeability through the formulation of R&D visions on capabilities required for Japan's future national defense.

From NATIONAL DEFENSE PROGRAM GUIDELINES for FY 2019 and beyond

Present the principles of R&D and show issues in important technologies and technological roadmaps

The principles of R&D

1. Harmonization among technological seeds and operational needs considering political direction

R&D shall be conducted parallel to continuous discussion where technological, political, and operational entities act in unison.

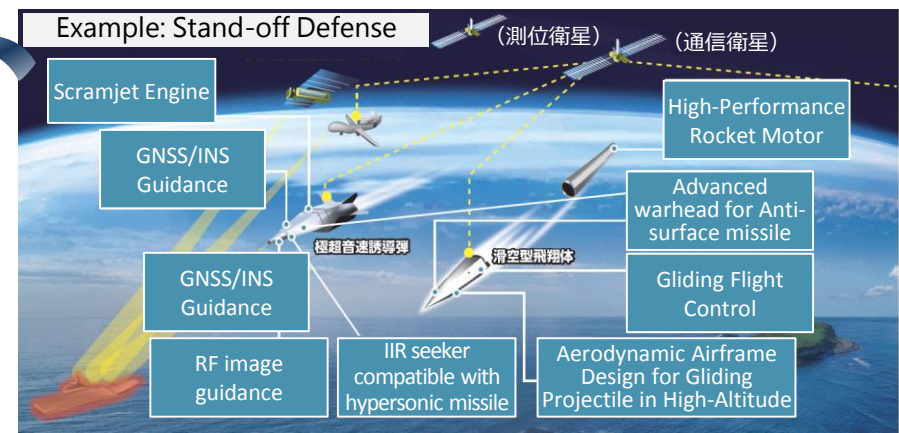
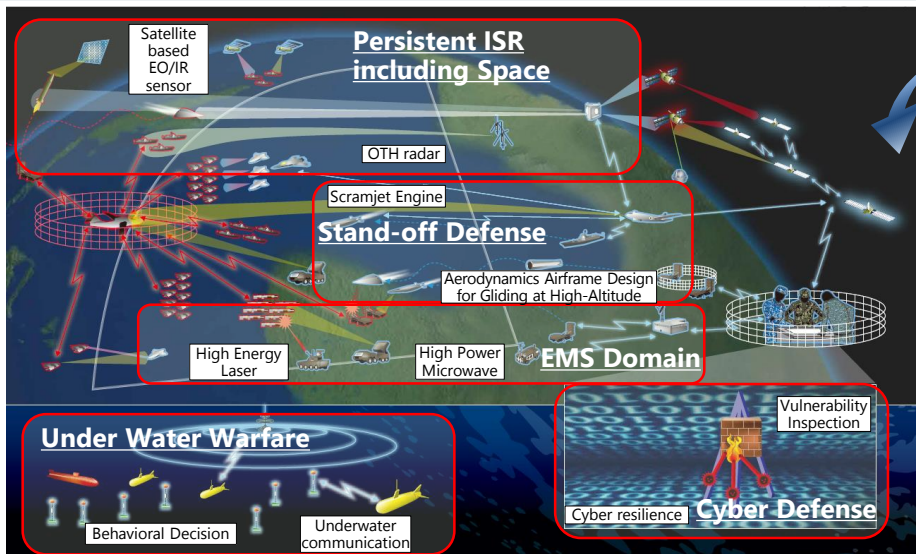
2. Efficient R&D utilizing advanced technologies

Necessary technologies should be acquired not only by independent ATLA's research but by various means or its combination. (e.g. collaboration with other ministries or agencies, cooperative research with domestic or international partners, utilization of the latest commercial technologies, etc.) At the same time, efforts are made to discover and develop emerging technologies with ATLA's funding system named "the Innovative Science and Technology Initiative for Security".

3. Streamlining the process of R&D

MOD/SDF will also drastically shorten R&D periods of time by streamlining their processes and procedures including stepwise R&D (block approach) and development by module (module approach.)

Notional picture of technologies to be realized



Hereafter, in view of changes in the security environment and technological trends, these efforts, including adding a new theme and reviewing, shall be carried out flexibly.