

Guidelines for Overseas Transfer of Defense Equipment and Defense Industry Policy

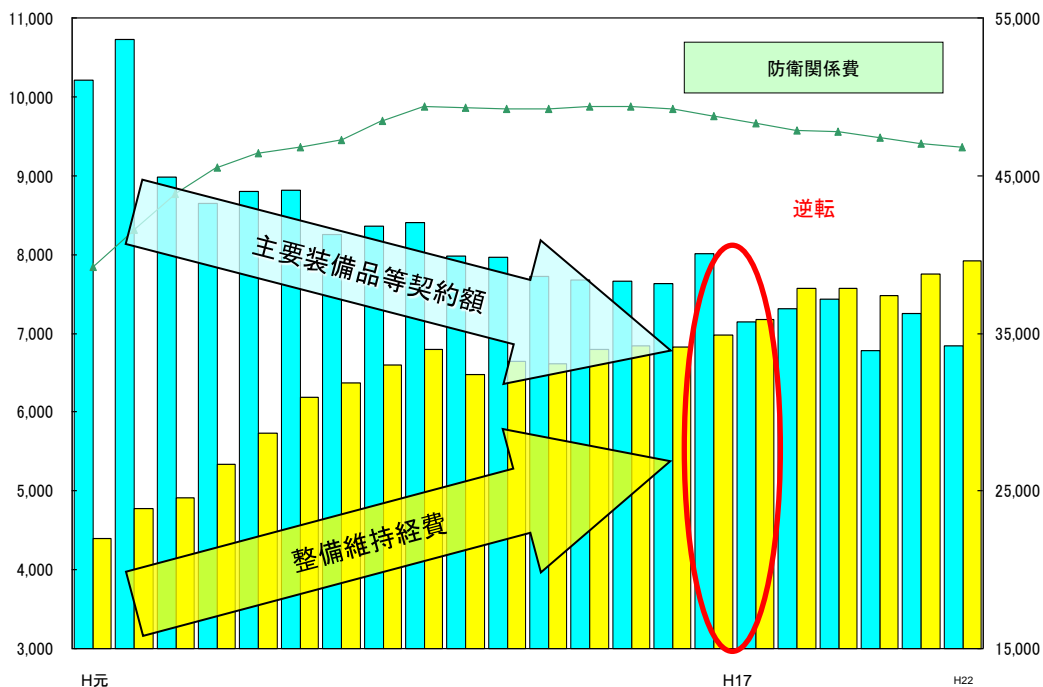
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Current situation of defense industry in Japan

- The budget constraint of defense expenditure
(The increase of maintenance costs and the decrease of new purchases of defense equipment)
- The increase of price of defense equipment
- The Japanese budget for defense is the 5th biggest in the world, but it is far behind other major countries

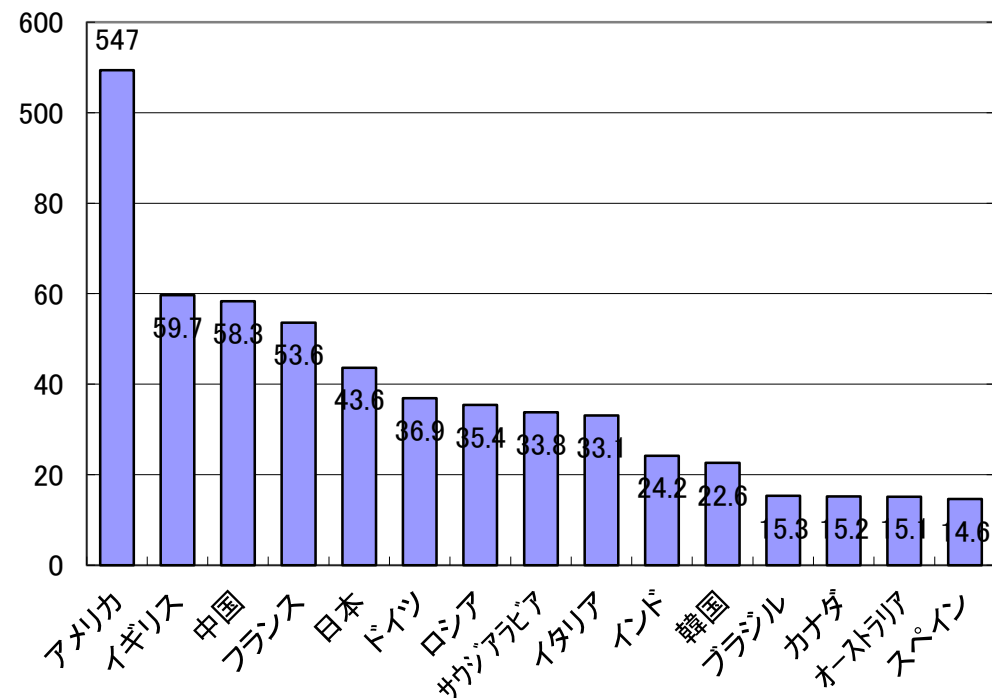
防衛関係費の推移

(単位: 億円)



(単位: 10億ドル)

各国軍事費(2007年、上位15カ国)



Statement by the Chief Cabinet Secretary on Guidelines for Overseas Transfer of Defense Equipment etc. (Dec 27, 2011) (Extract)

Criteria on Comprehensive Exemption Measures in Overseas Transfer of Defense Equipment etc.

(1) Cases Related to Peace Contribution and International Cooperation

Overseas transfer of defense equipment etc. will be allowed on the premise that a framework to be agreed upon by the GOJ and recipient government will secure strict control where the defense equipment etc. will

a. not be used for any other purpose than the agreed purposes

b. not be transferred to third parties

without the prior consent by the GOJ

(2) International Joint Development and Production of Defense Equipment etc.

International joint development and production of defense equipment etc.

contributing to Japan's security will be conducted on the premise that strict control is in place, i.e. the countries participating in the projects are obliged to gain **prior consent of the GOJ** when pursuing

a. extra-purpose use or

b. transfer to third parties of the equipment and etc.

Condition under which prior consent of the GOJ will be given when the transfer contributes to

a. the security of Japan or

b. the international peace and security

or **where Japan's contribution to the international joint development and production remains relatively small,** and when the third party has **a sufficient system to prevent further transfer.**

(3) Exports other than the above-mentioned cases

The Three Principles are based on the basic philosophy of Japan as a peace loving nation that seeks to avoid the aggravation of international conflicts. Therefore, **exports other than the above-mentioned cases will continue to be carefully dealt with in accordance with the Three Principles.**

Technology of Japan's defense industry

- Manufacturing technology
- Technology basis

(1) Examples of Japanese manufacturing technology ~license production~

- Patriot



- F-15



(2) Examples of Japanese technology basis

- Radar



- Communication satellites



Importance of international joint research and production

1. Introduction of cutting edge technology

2. Reinforcement of international alliances and partnerships

3. Maintenance and improvement of defense production and technology

4. Restraint of development and production costs

Example of international joint development

- BMD, SM-3 Block II A



Civil technology and military technology

- Key technologies: materials technology, information technology, network technology, etc.
- Spin-off (from military to civil) and spin on (from civil to military)

スピン・オフの例



レーダー



気象レーダー



電子レンジ



コンピューター



ゲーム機



パソコン



コンピューター
ネットワーク



インターネット

スピン・オンの例



航空コックピット



液晶ディスプレイ



戦闘機エンジン部分



耐熱材料



フライ・バイ・ライト
(光通信による操縦系統)



光通信デバイス

Utilization of civil technology to defense field

- the border between civil technology and military technology has been becoming unclear
- there are many civil technologies which can be utilized in the defense field

自律飛行制御技術



〈民生〉産業用無人機



〈軍用〉無人偵察機

NBC防護技術



〈民生〉

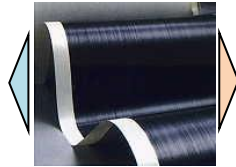


〈軍用〉

軽量構造技術



〈民生〉
機体構造



炭素繊維複合材料



〈軍用〉
機体構造

電波技術



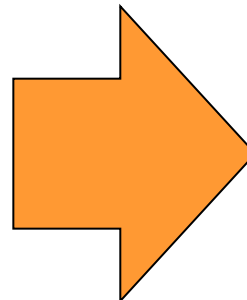
〈民生〉
携帯電話基地局ア
ンテナ



〈軍用〉
レーダー
アンテナ



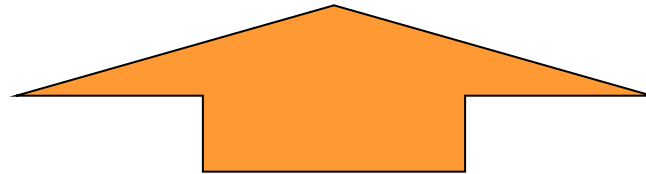
民生技術



防衛技術軍用技術

Defense industry policy in the international context

Promotion of BtoB Projects



Coordination and Guidance

- Cabinet Secretariat
- MOFA
- MOD
- METI

International Framework

- E/N
- MOU
- MOI

Information Security

- GSOMIA
- Industrial Security System

Industrial Dialogue

- J-U.S.
- J-EU
- J-UK
- J-FR, etc.