The Wassenaar Arrangement Munitions List

Presentation: Vincent Fleuriot
Senior Officer Control Lists

ATT sub-working group on article 5
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The Wassenaar Arrangement provides for a technical forum to its Participating States. Establishing and maintaining the Control Lists is WA core business.
General structure of Dual Use and Munitions Lists

9 Categories

Category 1

Category 3
- A Systems, equipt., components
- B Test ... production equipt.
- C Materials
- D Software
- E Technology

Category 9

Sensitive & Very Sensitive Lists

ML 1

ML 22
ML basic breakdown

- ML1 to ML 4: small arms, light and heavy weapons, ammunition.
ML basic breakdown

- ML 5: Fire control systems, radars and other detection, target tracking or designation, warning and countermeasures
ML basic breakdown

- ML 6, ML 9, ML 10:
  - Ground vehicles
  - Vessels (surface or underwater)
  - Aircraft (manned or unmanned)
ML basic breakdown

- **ML7**: Chemical, biological, radioactive agents detection, decontamination…

- **ML8**: Explosives and energetic materials
ML basic breakdown

- ML 11: Electronic equipment.
ML basic breakdown

- ML 12: High Velocity kinetic energy weapon systems.

\[ E_c = \frac{1}{2} m \cdot v^2 \]

- joule (J)
- (kg)
- (m/s)
ML basic breakdown

- ML13 armoured or protective equipment
ML basic breakdown

➢ ML 14: Military training and simulators
ML basic breakdown

- ML 15: Imaging equipment
ML basic breakdown

- ML 16: Forgings, castings, unfinished products
ML basic breakdown

- ML 17: Miscellaneous equipment...
ML basic breakdown

- ML 18: Production equipment
ML basic breakdown

- ML 19: Directed Energy Weapons
ML 20: Cryogenic and superconductive equipment
ML basic breakdown

- ML 21: Software “specially designed for…”

- ML 22: Technology “required for…”
To summarize

Only one selection criterion: the military characteristics.

Concept of “Specially designed or modified for military use”
“Specially designed or modified for military use”

- When assessing a military product, experts must take into consideration:
  - Specification by a military authority
  - Specific design to respond to battlefield requirements and environment
  - Military performance, not necessarily higher than civil performance, but specific to…

Description in the control text is often simple, but assessment may be complex.
The Lists Review

National Proposals from the 42 PS justified against the criteria are submitted prior to a deadline (February)

Delegations from the 42 PS come to Vienna 3 times/year for Technical discussions

New items, amendments or deletions are agreed by experts in October and validated by the Plenary in December. Lists are accordingly changed and published on the WA Website.
Maintaining the WA Control Lists

2017 Lists Review:
- 104 national proposals, 165 further technical papers discussed in the Experts Group
- 90 different topics; ca. 80% agreed

2018 Lists Review:
- 81 national proposals (17 on ML), 7 non-papers are being discussed in the Experts Group
Ongoing Issues of particular concern related to military threats
Since 2012, WA experts have been focusing on some recurring issues of concern:

- Forensics equipment
- Cyber threat - cyber warfare
- Drone (UAVs) jamming
- Additive manufacturing (3D Printing)
To be kept in mind:

- The WA Control Lists provide the 42 PS with a technical tool, then it is the sole responsibility of the PS to apply and enforce the Lists at national level. **ML is the basis for the EU Military List.**

- WA experts must keep in close contact with technical developments at academic and industry level in order to:
  
  - Always be able to assess the evolution of risks and detect technologies of security concern;
  
  - Take into account the realities of the legitimate civil market.
QUESTIONS