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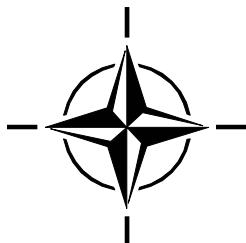
RTO TECHNICAL MEMORANDUM

TM-AVT-ET-073

# Proposals for Solutions to Problems Related to the Use of F-34 (SFP) and High Sulphur Diesel on Ground Equipment Using Advanced Reduction Emission Technologies

(Propositions de solutions aux problèmes liés à l'utilisation de  
F-34 (SFP) et de diesel à haute teneur en soufre pour  
le matériel terrestre disposant de technologies  
avancées de réduction des émissions)

Final Report of Exploratory Team AVT-ET-073.



Published September 2008





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# The Research and Technology Organisation (RTO) of NATO

RTO is the single focus in NATO for Defence Research and Technology activities. Its mission is to conduct and promote co-operative research and information exchange. The objective is to support the development and effective use of national defence research and technology and to meet the military needs of the Alliance, to maintain a technological lead, and to provide advice to NATO and national decision makers. The RTO performs its mission with the support of an extensive network of national experts. It also ensures effective co-ordination with other NATO bodies involved in R&T activities.

RTO reports both to the Military Committee of NATO and to the Conference of National Armament Directors. It comprises a Research and Technology Board (RTB) as the highest level of national representation and the Research and Technology Agency (RTA), a dedicated staff with its headquarters in Neuilly, near Paris, France. In order to facilitate contacts with the military users and other NATO activities, a small part of the RTA staff is located in NATO Headquarters in Brussels. The Brussels staff also co-ordinates RTO's co-operation with nations in Middle and Eastern Europe, to which RTO attaches particular importance especially as working together in the field of research is one of the more promising areas of co-operation.

The total spectrum of R&T activities is covered by the following 7 bodies:

- AVT Applied Vehicle Technology Panel
- HFM Human Factors and Medicine Panel
- IST Information Systems Technology Panel
- NMSG NATO Modelling and Simulation Group
- SAS System Analysis and Studies Panel
- SCI Systems Concepts and Integration Panel
- SET Sensors and Electronics Technology Panel

These bodies are made up of national representatives as well as generally recognised 'world class' scientists. They also provide a communication link to military users and other NATO bodies. RTO's scientific and technological work is carried out by Technical Teams, created for specific activities and with a specific duration. Such Technical Teams can organise workshops, symposia, field trials, lecture series and training courses. An important function of these Technical Teams is to ensure the continuity of the expert networks.

RTO builds upon earlier co-operation in defence research and technology as set-up under the Advisory Group for Aerospace Research and Development (AGARD) and the Defence Research Group (DRG). AGARD and the DRG share common roots in that they were both established at the initiative of Dr Theodore von Kármán, a leading aerospace scientist, who early on recognised the importance of scientific support for the Allied Armed Forces. RTO is capitalising on these common roots in order to provide the Alliance and the NATO nations with a strong scientific and technological basis that will guarantee a solid base for the future.

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# Table of Contents

	Page
<b>AVT-ET-073 Membership List</b>	<b>iv</b>
<b>Executive Summary and Synthèse</b>	<b>ES-1</b>
1.0     Introduction	1
1.1     Background	1
1.1.1     Fuel Issues	1
1.1.2     Legislation and Applicability to Military Forces	1
2.0     Discussion	1
2.1     Possible Current Technology Vehicle Exhaust Emissions Solutions	2
2.2     Effects	2
2.2.1     Effect of Sulphur Contained in the Fuel	2
2.2.2     Effect of Sulphur on Advanced Emission Reduction Technologies	3
2.2.3     Current Emission Technology Solutions	4
3.0     Recommendations	5
<b>Annex A – Single Fuel Policy: Compatibility with EURO 4 Diesel Engines</b>	<b>A</b>
<b>Annex B – The SCR-System in Military Application</b>	<b>B</b>

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**Representing:** 10 countries, 1 NATO IS member, 3 NFLWG members.

**Locations:** The ET-073 met three times during the AVT Panel meetings in Amsterdam, Vilnius and Florence.

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<b>14. Abstract</b>	<p>The Applied Vehicles Technology Panel (AVT) of the NATO Research and Technology Organisation (RTO) commissioned exploratory team ET-073 to address technical and operational issues related to the use of SFP and high Sulphur Diesel Fuel on Ground Equipment Using Advanced Reduction Emission Technologies and to give guidance and advice in the procurement of future equipment.</p>		





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