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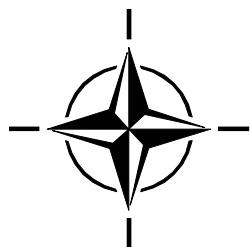
RTO TECHNICAL REPORT

TR-MSG-019

Verification, Validation, and Accreditation (VV&A) of Federations

(Vérification, validation et accréditation
(VV&A) des fédérations)

Final Report of Modelling and Simulation
Group 019 / Task Group 016.



Published April 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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- Scott Harmon, editor
- Marcy Stutzman, document coordinator
- G. Michael Lightner
- Michael Metz
- Susan Solick
- Jake Borah

Programme Committee

Canada

Major Anthony Masy
Department of National Defence, Synthetic Environment Coordination Office, Ottawa, Canada

France

Daniel Girardot
Centre d'Analyse de Défense

Germany

Karsten Haymann
Bundesamt für Wehrtechnik und Beschaffung

Ingo Cela
Bundesamt für Wehrtechnik und Beschaffung

Heinz-Bernd Lotz
Bundesamt für Wehrtechnik und Beschaffung

Siegfried Pohl
Institut für Technik Intelligenter Systeme

Sweden

Häkan Lagerstrom
Försvarets materielverk (FMV)

Dirk Brade
FOI Totalförsvarets forskningsinstitut (Swedish Defence Research Agency)

Fredrik Jonsson
Försvarets materielverk (FMV)

United States

Simone Youngblood, Chair
Department of Defense, Defense Modeling and Simulation Office (DMSO)

United Kingdom

Michael Simpson
Ministry of Defence, Defence Science and Technology Laboratory (Dstl)

Mark Dumble
Ministry of Defence, Defence Science and Technology Laboratory (Dstl)

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14. Abstract	<p>This document defines the recommended processes and procedures that should be followed to implement Verification, Validation, and Accreditation (VV&A) for federations being developed using the High Level Architecture (HLA) Federation Development and Execution Process (FEDEP). The VV&A overlay described in this document is a tailorable process that overlays the FEDEP and is intended to apply across a wide range of functional applications. This overlay identifies and describes the recommended VV&A processes that should be followed to assure the acceptability and utility of federations for particular intended uses. The overlay also identifies and describes the information feeding and resulting from those processes as well as the relationships between the FEDEP and the VV&A processes and their respective information products. In addition, this overlay defines those terms uniquely needed to characterize the FEDEP VV&A overlay.</p>		





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