Activity	SAS-080	Decision Support Methodologies for Acquisition of Military Equipment	2008
Activity REF. Number	RSY-014		October 2008 IS

Principal Military Requirements	1	2	3					NPU				November 2009

Military Functions	1	2	3	4	5	6	7	8	9	10			

Panel and Coordination	SAS	

Location and Dates	Brussels, Belgium - 22-23 October 2009	P-I

Publication Data	MP	2010	200	NPU

Keywords	Public Choice	Equipment Acquisition	Decision Support	Life Cycle Costing
Standardisation	Supply Chain Management	Multi-criteria Decision Aid	Simulation Models	

I. Background and Justification:

The requirements of defence transformation have led to increased levels of interest in the area of military equipment acquisition as many nations embark on major changes in operational and organisational structures in order to meet the new needs of expeditionary operations rather than territorial defence.

Operational analysis and other model-based approaches are capable of providing valuable support to defence decision-makers addressing military equipment acquisition issues. However, this particular application domain has often been neglected compared to subjects such as planning of operations, supply chain management and logistics. In addition military equipment acquisition has mostly been considered by the military as isolated from the general economical, industrial and political environment. Recommendations on behalf of the military are almost exclusively taking into account operational criteria. The symposium therefore provides an opportunity to redress this situation by looking at multiple aspects of the problem in a broad context.

II. Objective(s):

The symposium will provide a forum for participants to exchange experiences and perceptions on the way in which operational analysis or other forms of modeling and simulation can provide support to decisions relating to acquisition of military equipment within national armed forces in the context of NATO.

III. Topic To Be Covered:

The symposium will invite papers on the way in which operational analysis or other forms of modeling and simulation can provide support to decisions in the following areas as they relate to military equipment acquisition:
1.- Military equipment acquisition and public choice methodologies from a national defence economics point of view
2.- Industrial, social and political aspects of military equipment acquisition models
3.- Life cycle costing and military equipment acquisition models
4.- Standardisation within the alliance and military equipment acquisition models
5.- Military equipment acquisition models related to supply chain management models and logistics models
6.- Renewal and game theoretical models for military equipment acquisition
7.- Simulation models for dynamic systems related aspects of military equipment acquisition
8.-Fleet management and military equipment acquisition models
9.- Multi-criteria decision aid methodologies for military equipment acquisition
10.-Identification of requirements for military equipment in relation to other ways of achieving or enhancing capability.
The symposium will also welcome discussion of the ways in which models, methods and the availability of data need to be improved if better support to military equipment acquisition related decisions is to be realised.

IV. Deliverable:

Meeting Proceedings

V. Technical Team Leader And Lead Nation:

Chair : Prof. Hugo PASTIJN Belgium

Lead Nation: Belgium

VI. Nations Willing/Invited to Participate:

Belgium, Canada, Germany, Norway, Turkey, UnitedKingdom, Sweden

VII. National And/Or NATO Resources Needed:

Selection, appointment, and support of Program Committee Members.

VIII. RTA Resources Needed:

Standard RTA support for symposia, including funding for travel and per diem expenses for TER author and Keynote Speakers, as well as for interpretation and necessary interpretation equipment.

Additional Information

Limited Participation Techical Team:

No