



# DAY 1 Tuesday 16 SEP, 2014

## NATO CAX FORUM 2014 OPENING SESSION - Welcome

LOCATION		Conference Hall
09:30 10:00	Admin Introductory briefing/ Turkish War Colleges Video Presentation	
	Chair: LTC John FERRELL (NATO M&S COE)	
10:00 10:30	Welcome address: 1. Col. Yücel ÖZEL (AWCC Commander) 2. Col. Stefano NICOLO' (NATO M&S COE Director) 3. Prof. Agostino G. BRUZZONE, (WAMS Chairman)	

MSG-117
Exploiting M&S to Support Cyber Defence
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## NATO CAX FORUM 2014 OPENING SESSION - Plenary Speeches

LOCATION		Conference Hall
10:30 11:00	Chair: LTC John FERRELL (NATO M&S COE)	
	Speakers: MGen Karl ENGELBREKTSON, Co-Chairman NATO Advisory CFI Task Force: <b>CFI: Identifying ways to enhance Interoperability amongst the Forces of Members and Partners</b>	

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## Open Coffee Area

LOCATION		Open Coffee Area
11:00 11:30	METEKSAN Networking Coffee Break	

## NATO CAX FORUM 2014 OPENING SESSION - Plenary Speeches

LOCATION		Conference Hall
	Chair: LTC John FERRELL (NATO M&S COE)	
11:30 12:30	Speakers: 1. BGen László SZABÓ, Deputy Commander NATO Joint Force Training Centre: <b>Value of Modelling and Simulation in Below Joint Operational Level Training and Exercise</b> 2. Prof. Ali Riza KAYLAN, Bogazici University: <b>M&amp;S for training</b>	

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## NATO CAX FORUM 2014 OPENING SESSION - Photo

LOCATION		AWCC Main Gate
12:40 13:00	Photo opportunity (Plenary)	

## Restaurant Area

LOCATION		Restaurant Area
13:00	Networking Lunch Break	



**14:30**

<b>Live Demo 1</b>		<b>Tutorial 1</b>		<b>WAMS</b>	<b>MSG-117</b>
<b>LOCATION</b>		<b>Seminar Room 1</b>		<b>Seminar Room 2</b>	
<b>SESSION</b>	<b>AWCC Tour&amp; Live Demo</b>	<b>C2 - Simulation Interoperability</b>		<b>Workshop on Applied M&amp;S</b>	<b>Exploiting M&amp;S to Support Cyber Defence</b>
<b>14:30</b> <b>16:30</b>	<b>Joint CAX Support: Future Tool and concepts</b> - Joint Demo by JWC & AWCC (Prof. Erdal CAYIRCI, JWC/ AWCC)	<i>Chair: LTC Jan HODICKY (NATO M&amp;S COE)</i> (Speaker Mr. Kevin GALVIN, Thales/ Dr. Mark PULLEN, Director C4I Center, George Mason University)		<i>Session Tuesday 1</i> <b>Simulation in Processes, Operations and Logistics</b>	<b>MSG-117 MEMBERS ONLY</b>

**LOCATION** **Open Coffee Area**

**16:30** **METEKSAN Networking Coffee Break**

**17:00**

**NATO CAX Forum – WAMS Joint Session**

<b>LOCATION</b>		<b>Conference Hall</b>
<b>17:00</b> <b>18:30</b>	Chair, Prof. Agostino G. BRUZZONE (Simulation Team President, DIME University of Genoa and M&S Project Leader at NATO STO CMRE) 1. <b>Searching for men overboard with partial and no drift information</b> (Dr. Mumtaz KARATAS/ Dr. Ilker AKGUN, Turkish Naval Academy) 2. <b>MS2G Simulation as a Service for data mining crowdsourcing in vulnerability reduction</b> (Prof. Agostino G. BRUZZONE/ Dr. Alberto TREMORI/ Dr. Francesco LONGO/ Dr. Letizia NICOLETTI/ Dr. Simonluca POGGI/ Dr. Christian BARTOLUCCI/ Dr. Edoardo PICCO/ Dr. Guglielmo POGGIO, DIME Genoa University, NATO STO CMRE, Simulation Team) 3. <b>Computational simulations of smart aircraft-wing-load-control systems based on innovative fluidic devices</b> (Dr. Wienczynslaw STALEWSKI, Dr. Janusz SZNAJDER, Institute of Aviation Warsaw)	

**NATO CAX FORUM 2014 SOCIAL EVENT**

**LOCATION** **AWCC Main Hall**

**18:30** **HAVELSAN Networking Ice-Breaker**

**20:30** **Musical interlude by Military Band**



# DAY 2 Wednesday 17 SEP, 2014

## Connected Forces Initiative (CFI) introduction

LOCATION		Conference Hall	
SESSION	<ol style="list-style-type: none"> <li><b>Welcome to Connected Forces Initiative Sessions</b> (Speaker, Mr Wayne BUCK, HQ SACT)</li> <li><b>Implementation plan program</b> (Speaker, Mr. Angel SAN JOSE, HQ SACT)</li> </ol>		
09:30 10:00			
Session 1		Session 2	
LOCATION		Seminar Room 1	
SESSION	CAX Technology enablers		Serious Games for E&T
10:00 11:00	<p><i>Chair: Mr. Angel SAN JOSE (HQ SACT)</i></p> <ol style="list-style-type: none"> <li><b>Data Farming</b> (Speaker Mr. Stephan SEICHTER)</li> <li><b>US National Contribution to CFI and Alliance Readiness - technology enabling the heightened readiness environment of today and tomorrow</b> (Speaker, Mr. Tom Irwin (US J7))</li> </ol>		<p><i>Chair: Mr. Wayne BUCK (HQ SACT)</i></p> <ol style="list-style-type: none"> <li><b>NATO Serious Games: Past, Present, Future</b> (Mr. Wayne BUCK, HQ SACT)</li> <li><b>NATO Serious Games: Putting Them to Use in Education and Training</b> (Mr. Paul THURKETTLE, HQ SACT)</li> <li><b>Distributed Serious Games Elements Related to Defence Against Terrorism</b> (Prof. Agostino G. BRUZZONE, M&amp;S Project Leader at NATO CMRE)</li> </ol>

WAMS	MSG-117
Workshop on Applied M&S	Exploiting M&S to Support Cyber Defence
Session Wednesday 1	<b>MSG-117 MEMBERS ONLY</b>
WAMS	MSG-117
Workshop on Applied M&S	Exploiting M&S to Support Cyber Defence
<i>Simulation Techniques</i>	<b>MSG-117 MEMBERS ONLY</b>

LOCATION		Open Coffee Area
11:00 11:30	METEKSAN Networking Coffee Break	

Session 3		Session 4	
LOCATION		Seminar Room 1	
SESSION	Training in the Alliance: Collaboration Between Nations and NATO Bodies		Future CAX
11:30 13:00	<p><i>Chair: Mr. Angel SAN JOSE (HQ SACT)</i></p> <ol style="list-style-type: none"> <li><b>Connecting NATO and National Training Capabilities</b> (Mr. Angel SAN JOSE, HQ SACT)</li> <li><b>JFTC CFI implementation on the below operational level + Live Demo</b> (LtC Wolfhard SCHMIDT, Gultekin ARABACI, Stefano IZZO, JFTC)</li> <li><b>TS3, Collaboration on setting Scenario and Simulation</b> (Mr. Phil DRAPER, JWC)</li> </ol>		<p><i>Chair: Mr. Wayne BUCK (HQ SACT)</i></p> <ol style="list-style-type: none"> <li><b>CORESIM</b> (LTC Wade MYERS, HQ SACT)</li> <li><b>Adapting NATO to a Modern Education and Training Approach</b> (Speaker Mr. Paul THURKETTLE, HQ SACT)</li> <li><b>M&amp;S as a Service: A Multi-National Perspective</b> (Speaker Mr. Robert SIEGFRIED, Aditerna GmbH)</li> </ol>

WAMS	MSG-117
Workshop on Applied M&S	Exploiting M&S to Support Cyber Defence
Session Wednesday 1	<b>MSG-117 MEMBERS ONLY</b>
<i>Simulation in Industry</i>	
<i>Tutorial Models for Cloud Risk Assessment</i>	



<b>LOCATION</b>	<b>Restaurant Area</b>
<b>13:00</b> <b>14:30</b>	<b>Networking Lunch Break</b>
	<b>CAX FORUM 2014 – SOCIAL EVENTS</b>
	<b>ISTANBUL</b>
<b>14:30</b> <b>20:00</b>	<b>Visit to Historical peninsula</b>



# DAY 3 – Thursday 18 SEP, 2014

Plenary Speech		MSG-117
LOCATION	Conference Hall	
09:00 09:30	<p><i>Chair:</i> LTC John FERRELL (NATO M&amp;S COE)</p> <p><b>Speaker:</b> MGen Mels de ZEEUW, HQ SACT ACOS C2 Deployability &amp; Sustainability: <b>Future Mission Network</b></p>	Exploiting M&S to Support Cyber Defence <b>MSG-117 MEMBERS ONLY</b>

Session 5a		Session 6a	MSG-117
LOCATION	Seminar Room 1	Seminar Room 2	
SESSION	CAX Models	Insight into Simulation & Training Centres	
09:30 11:00	<p><i>Chair:</i> LTC Stefano GIACOMOZZI (NATO M&amp;S COE)</p> <ol style="list-style-type: none"> <li><b>JTLS 5.0 Status And Future</b> (Mrs Ellen ROLAND, R&amp;A)</li> <li><b>JCATS Update</b> (Mr. Will BELUE / Mr. Mark PISCOTTY, LLNL)</li> <li><b>Smarter Modeling and Simulation</b> (Mr. Enrico RAUE, MASA)</li> </ol>	<p><i>Chair:</i> LTC John FERRELL (NATO M&amp;S COE)</p> <ol style="list-style-type: none"> <li><b>GAF Simulation Control Centre</b> (LtC Oliver SCHMIDT, GAF Simulation Control Centre Chief)</li> <li><b>JWC's Contribution to NATO Training and Exercise – Status Update</b> (Mr. Phil DRAPER, JWC)</li> <li><b>JFTC's Contribution to NATO Training and Exercise – Status Update</b> (LtC Wolfhard SCHMIDT, JFTC)</li> <li><b>Connected Training Initiative</b> (LTC Craig VIETH, JMCS)</li> </ol>	Exploiting M&S to Support Cyber Defence <b>MSG-117 MEMBERS ONLY</b>

LOCATION	Open Coffee Area
11:10 11:30	METEKSAN Networking Coffee Break

Session 5b		Session 6b	MSG-117
LOCATION	Seminar Room 1	Seminar Room 2	
SESSION	CAX Models	Insight into Simulation & Training Centres	
11:30 13:00	<p><i>Chair:</i> LTC Stefano GIACOMOZZI (NATO M&amp;S COE)</p> <ol style="list-style-type: none"> <li><b>SAETA Overview</b> (Luis GONZÁLEZ DE LENA, Cassidian)</li> <li><b>VBS3 – The Future of Simulation and Beyond</b> (Mr. Craig TURNER, Bohemia Interactive Simulations)</li> <li><b>Naval Wargame Simulation System</b> (Mr. Hürkan Orkun ZORBA, Meteksan)</li> </ol>	<p><i>Chair:</i> LTC John FERRELL (NATO M&amp;S COE)</p> <ol style="list-style-type: none"> <li><b>BGR National Military Training Complex “Charalitzza”</b> (Col. Miroslav MARINOV, NMTC Chief)</li> <li><b>PL- Simulation Systems Branch</b> (Col. Piotr WANIEK, )</li> <li><b>Additional capabilities of the HUN CAX MARCUS/MARS and KRONOSZ simulation systems.</b> (Maj. Zalan CZIEGLER, HUN Defence Forces Combat Training Center)</li> </ol>	Exploiting M&S to Support Cyber Defence <b>MSG-117 MEMBERS ONLY</b>



		4. CSFEE (LTC Lesage/ Maj Despres, CSFEE)	
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<b>LOCATION</b>		<b>Restaurant Area</b>	
<b>13:00</b> <b>14:30</b>	<b>METEKSAN Networking Coffee Break</b>		

<b>Session 7</b>		<b>Session 8</b>		<b>MSG-117</b>
<b>LOCATION Seminar Room 1</b>		<b>LOCATION Seminar Room 2</b>		
<b>SESSION</b>	<b>CAX Scenario, Architecture and Methodology</b>	<b>CAX Support, analysis and planning</b>		<b>Exploiting M&amp;S to Support Cyber Defence</b>
<b>14:30</b> <b>16:30</b>	<p><i>Chair: LTC Stefano GIACOMOZZI (NATO M&amp;S COE)</i></p> <ol style="list-style-type: none"> <li><b>Towards a Guideline for Scenario Development</b> (Mr. Robert SIEGFRIED, Aditerna GmbH)</li> <li><b>NATO Education and Training Network - Federation Architecture and FOM Design</b> (NETN FAFD v2.0) (Mr. Björn LÖFSTRAND, Pitch)</li> <li><b>CAX as a Tool for Training the Civilians - NGO's Perspective.</b> (Mr. Nikolay TOMOV, Chairman, Bulgarian Modeling and Simulation Association)</li> <li><b>Exercise Viking 14</b> (LTC Carl-Fredrik KLEMAN, Swedish Armed Forces, Joint Training Centre)</li> </ol>	<p><i>Chair: LTC Jan HODICKY (NATO M&amp;S COE)</i></p> <ol style="list-style-type: none"> <li><b>EXCON Information Services (EXIS): The New Deconfliction Matrix as a Tool for More Efficiency</b> (Mr. Jacek WELZ, JFTC /Mr. Aad HENDRIKS, NCIA)</li> <li><b>An Application of 3D Simulation Model on CAX</b> (Dr. Dusan MARINIC, )</li> <li><b>Knowledge-Based Simulation Systems for Analysis of Crisis and Conflict Situations.</b> (Prof. Andrzej NAJGEBAUER, POL Military University of Technology)</li> <li><b>Operational Planning and LL Optimizing</b> (Panagiotis KOSTOPOULOS, MSETT)</li> </ol>		<b>MSG-117 MEMBERS ONLY</b>

<b>LOCATION</b>		<b>Open Coffee Area</b>	
<b>16:30</b> <b>17:00</b>	<b>METEKSAN Networking Coffee Break</b>		

<b>Session 9a</b>		<b>Live Demo 2</b>	
<b>LOCATION Seminar Room 1</b>		<b>LOCATION Seminar Room 2</b>	
<b>SESSION</b>	<b>Exercise, Training &amp; Interoperability</b>	<i>Chair: LTC Jan HODICKY (NATO M&amp;S COE)</i>	
<b>17:00</b> <b>18:50</b>	<p><i>Chair: LTC Stefano GIACOMOZZI (NATO M&amp;S COE)</i></p> <ol style="list-style-type: none"> <li><b>LVC Simulation in Advanced Training</b> (Ms. Katia FABBRI, VITROCISSET)</li> <li><b>Integration Test Bed as leverage for the Armed Force innovation.</b> (Mr. Giovanni LAURORA, Selex ES)</li> <li><b>Simulation Models &amp; C2 Systems</b> (Mr. Konstantinos TSIKALOS, MSETT/Mr. Laszlo Horvath, ARTIFEX)</li> <li><b>HTZ warfare - the most comprehensive radio planning solution for electronic warfare and tactical communications</b> (Mr. Rubén PERDIZ LÓPEZ, ATDI)</li> </ol>	<b>Serious Games in Training</b> (Mr. Paul THURKETTLE, HQ SACT)	



# DAY 4 – Friday 19 SEP, 2014

Tutorial 2		Session 10		MSG-117	
LOCATION		Seminar Room 1		Seminar Room 2	
SESSION	NATO CAX Process		M&S tools & services		Exploiting M&S to Support Cyber Defence
09:30 11:00	<p><i>Chair: LTC Jan HODICKY (NATO M&amp;S COE)</i>            (Speaker Prof. Erdal CAYIRCI, NATO JWC)            (Speaker Mr. Phil DRAPER, NATO JWC)            (Speaker Mr. Andy WNUK, NATO JWC)</p>		<p><i>Chair: LTC Stefano GIACOMOZZI (NATO M&amp;S COE)</i>  <b>1. Defense M&amp;S Catalog</b> (Hart RUTHERFORD, SimVentions Inc.)  <b>2. The Utility of COTS Solutions to meet contemporary Capability Development, Readiness Tracking and Training Assurance requirements</b> (Mr. David PATERSON, 4cStrategies)</p>		<b>MSG-117 MEMBERS ONLY</b>
LOCATION					
11:00 11:30		<b>Open Coffee Area</b> <b>METEKSAN Networking Coffee Break</b>			
Session 9b		Session 11		MSG-117	
LOCATION		Seminar Room 1		Seminar Room 2	
SESSION	Exercise, Training & Interoperability		M&S interdisciplinary use		Exploiting M&S to Support Cyber Defence
11:30 13:00	<p><i>LTC Stefano GIACOMOZZI (NATO M&amp;S COE)</i>  <b>1. Virtual Magic</b> (Maj Alex MACLEAN, NAEWF)  <b>2. When History Becomes a Training Tool</b> (Ms. Lida Zarkada, MSETT)  <b>3. Use and advantage of joint and distributed C2 and simulations system networks for training.</b> (Mr. Yorck LOSKA, IABG)</p>		<p><i>Chair: LTC Jan HODICKY (NATO M&amp;S COE)</i>  <b>1. CAX for Cyber Defense and Healthcare Operations</b> (Konstantinos TSIKALOS, MSETT)  <b>2. Cyber Security Simulation Environment</b> (Dr. Agatino MURSIA, Selex ES)  <b>3. NATO MSG-117 - Modelling and Simulation in Support of Cyber Defence</b> (Mrs. Stella Croom-Johnson, MSG-117 Chairperson)</p>		<b>MSG-117 MEMBERS ONLY</b>



## NATO CAX FORUM 2014 – CLOSING SESSION

LOCATION	
13:00	Closing Session (Declaration of NATO CAX Forum location)
13:30	

JTLS Operational Authority Board	
13:45 16:00	<p style="text-align: right;"><i>Chair: Prof. Erdal CAYIRCI, JWC</i></p> <ol style="list-style-type: none"> <li>1. Welcome/ Introduction JWC</li> <li>2. JTLS Update, R&amp;A</li> <li>3. Actions taken since the last NATO JTLS CCB Process, JWC</li> <li>4. Validation of new software modification requirements (SMR), All</li> <li>5. Way ahead and future actions, All</li> </ol> <p style="color: red; font-weight: bold; text-decoration: underline;">JTLS CCB MEMBERS ONLY</p>

NATO CAX Forum	XXXXX
	XXXXX
In conjunction with NATO CAX Forum	1,2,3,ecc