SMi’s Third Annual...

Indirect Fire Support


A unique opportunity to learn from leading industry experts:

• Lieutenant Colonel Dickie Winchester, Chief Instructor Tactics, The Royal School of Artillery
• Colonel Nathaniel H Sledge, PM CAS, United States Army
• Colonel John Klemencic, Training and Doctrine Command System Manager – Cannon Systems, United States Army
• Colonel G S Roland von Reden, Chief of Combat Support Development Branch, Army Office (Heeresamt) (Training & Doctrine) German Army
• Colonel Daniel Hubscher, Director for the Field Artillery and Air Defence Studies and Development, French Artillery School
• Lieutenant Colonel Nils Arne Skaret, Chief of Staff, Norwegian Field Artillery School
• Lieutenant Colonel Paul Myrick, Product Manager, M270A1 Improved Launcher, United States Army
• Stuart Smeeth, Field Artillery Systems Support, Integrated Project Team Leader, DLO

Benefits of Attending

• IDENTIFY the roles and missions of Indirect Fire in the 21st century
• DISCOVER the challenge of providing in-service support
• UNDERSTAND the current thrusts of artillery munitions
• ESTABLISH an insight into the artillery systems of the future
• NETWORK at this globally attended forum

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‘An exceptional effort to successfully bring together the right mix of industry and military subject matter experts’

SMi Delegate: Lt Commander Stephen Peters, AWW Requirements Officer, National Defence Headquarters, Canada
9.00 Chairman’s Opening Remarks  
Dr David Izod, Independent Defence Consultant

OPENING ADDRESS
9.10 Roles and mission of Indirect Fire in the 21st century
• The role of indirect fire in the operational arena
• Force structure and future concepts for British forces
• Requirements and priorities of indirect fire
• Defence expenditure trends; indirect fire systems and platforms
• Indirect fire weaponry – a global outlook
• Indirect fire; future vision and strategy
Lieutenant Colonel Dickie Winchester, Chief Instructor Tactics, The Royal School of Artillery

ARTILLERY OBSERVERS
9.40 Concepts and future requirements, future artillery
• Fenek Reconnaissance Vehicle
• Considerations of other heavy reconnaissance vehicles
• Concepts of artillery observers
Colonel G S Roland von Reden, Chief of Combat Support Development Branch, Army Office (Heeresamt) (Training & Doctrine) German Army

US MARINE CORPS EXPEDITIONARY FIRE SUPPORT SYSTEM (EFSS)
10.20 EFSS and its place in future USMC fire support
• Current USMC ground fire support systems
• Future triad of USMC ground fire support systems
• The EFSS Concept
• EFSS project status

11.00 Morning Coffee

ARTILLERY SYSTEMS FOR THE FUTURE
11.20 The XM777 Lightweight Howitzer
Bob Preedy, Head of Marketing, BAE SYSTEMS RO Defence

FRENCH INDIRECT FIRE SUPPORT
1.40 CAESAR self propelled artillery system
• An overview of future concepts and requirements
• General overview of the role of indirect fires in the near future
• The induced tactical requirements
• An overview of current artillery systems
• The shortcomings of the current systems
• A short look at the on-going studies and developments
Colonel Daniel Hubischer, Director for Field Artillery and Air Defence Studies and Development, French Artillery School

MODERNISATION PROGRAM OF THE M109 HOWITZER
2.20 A future need for further service life extension of the M109
• An overview of the improved performance M109
• Performance comparable to modern howitzers
• Increased firepower with the new 155mm L52 ordinance
• Improvement of the autonomous combat capabilities
Wim de Ruijter, Project Manager, M109L52 Development, RDM-Technology

WEAPON LOCATING SYSTEMS
3.00 ARTHUR – Artillery Hunting Radar
• History / development
• Capabilities
• Advantages and disadvantages
• Future objects
Lieutenant Colonel Nils Arne Skaret, Chief of Staff, Norwegian Field Artillery School

4.00 A sensor for the future, or a museum?
• Basic requirements
• Tactical implementation
• Future development
Baard Frostad, Senior Adviser, Artillery Systems, Ericsson Microwave Systems

TARGET ACQUISITION ACCURACY
4.40 A new era
• The requirement for accuracy
• The error budget
• Current capabilities
• Future developments
Ian Mitchell, Sales and Marketing Director, Intris Precision

Chairman’s Closing Remarks and Close of Day One 5.20

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KEYNOTE ADDRESS
9.10 Cannon artillery munitions current thrusts
- Insensitive munitions strategy
- Addressing shelf life and requirements
- Development, production and life cycle management
- Horizontal technology insertion, opportunities for artillery
- Pursue upgrade stock pile
- Analyse impact of Army transportation in cannon artillery

Colonel Nathaniel H Sledge, PM CAS, United States Army

WEAPON SYSTEMS
9.40 M270A1 MLRS Self Propelled Loader/Launcher (Spill)
- Suppression, neutralization and destruction of threat fire support
- Capabilities of the M270A1 MLRS
- Operational requirements of the M270A1 MLRS
- Upgrading the weapon system

Lieutenant Colonel Paul Myrick, Product Manager, M270A1 Improved Launcher, United States Army

LOGISTIC SUPPORT OF FIELD ARTILLERY
10.20 The challenge of providing in service support
- IPT integration
- DLO strategic goal
- IPT restructuring and re-skilling
- Beyond the strategic goal

Stuart Smeth, Field Artillery Systems Support, Integrated Project Team Leader, DLO

ARTILLERY WEAPON AND AMMUNITION – FUTURE TECHNOLOGICAL TRENDS
11.20 Range enhancement realisation
- Precision enhancement
- Weapon improvement
- ETC plasma ignition
- HPM submunition

Dr Josef Kruse, Director, Future Programmes, Rheinmetall WtM

PRECISION INDIRECT FIRES
12.00 The digital battlefield
- Resurrecting the King of Battle
- Precision Guided Munition (PGM) capabilities and limitations

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