

UNITING GLOBAL ARTILLERY LEADERS, SYSTEMS EXPERTS AND NATO,
WITH UNMATCHED NETWORKING AND INSIGHTFUL DISCUSSIONS

OFFICIALLY SUPPORTED BY:



FUTURE ARTILLERY

20 – 22 May 2025 | Novotel West, London, UK

THE WORLD-LEADING FORUM FOR THE INDIRECT FIRES COMMUNITY

“The complete summary of fires community and overview of diverse perspectives provided immense input of possible “a way forward”. The presentations of different industries allow us to modify/adjust the plans of procurement and get answers for our RFI-s face-to-face.”

– Artillery Battalion Commander, Estonian Defence Forces

INTERACT & MEET WITH LEADERS FROM ACROSS THE INDIRECT FIRES COMMUNITY, INCLUDING:



MARIA EAGLE
Minister for Defence
Procurement and
Industry,
UK Government



**GENERAL
SIR ROLY WALKER**
KCB DSO ADC GEN
Chief of the General
Staff,
British Army



**LIEUTENANT
GENERAL JOHN
MEAD OBE [GBR]**
Deputy Commander,
**NATO Allied Force
Command (JFC)
Brunssum**



**LIEUTENANT
GENERAL MIKE
ELVISS CB MBE**
Commander Field
Army,
British Army



**MAJOR GENERAL
JOHN RAFFERTY**
Commander, 56th
Artillery Command,
US Army



**BRIGADIER
GENERAL
GIANLUCA FIGUS**
Field Artillery
Commander,
Italian Army



**BRIGADIER
ROB ALSTON [GBR]**
Chief of Joint Fires and
Influence,
**NATO Allied Rapid
Reaction Corps (ARRC)**



**COLONEL
MICHAEL
VILLUMSEN**
Commander Danish
Artillery Regiment,
Danish Army

TWO STAR PARTNERS ★★



ONE STAR PARTNER ★



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defenceiq.com/events-futureartillery

WELCOME

Welcome to the 24th iteration of the world leading fires conference, Future Artillery. Over the years, this forum has flourished, becoming a pivotal platform that unites Artillery Chiefs, Heads of Plans and Capabilities, Programme Managers, and industry leaders to navigate the evolving landscape of indirect fires. This conference boasts more Chiefs of Artillery in one place than at any other fires conference. It is also the only event where artillery systems, planning, capability development, logistics, supply, mortar systems, and ammunition are all discussed in one location with a joint networking zone.

The shifting nature of warfare has taken an unexpected turn, steering away from crisis response towards more traditional forms of conflict, emphasising mass and endurance against adversaries in preparing for forward-deployment. Future Artillery 2025 aligns seamlessly with this theme.

After engaging in conversations with many of you to understand the unique challenges you face, we've meticulously crafted a tailored three-day conference that spans the spectrum of these challenges. The conference will start with an overview, delving into the strategic backdrop, force structures, and prerequisites for future fire dominance and then evolve to explore the right combination between precision and mass, the efficacy of collaborative fires, and innovative strategies for shortening the kill chain in four new streams.

Alongside our new topics such as loitering munitions, doctrine, training, non-lethal effects and targeting, we are also co-locating the Future Mortar Systems conference which has been running for just over eleven years. This event

will be our fourth stream on days 2 and 3 of the conference, allowing us to widen the conversation around fires, ensuring a cohesive approach to discussions on challenges and solutions.

Additionally, this year we proudly host the first annual 'Official NATO Corps Fires Leadership' meeting, encouraging representation from all NATO Corps. The participation of notable figures such as the UK's Minister for Defence Procurement and Industry, Chief of General Staff of the British Army, the new Deputy Commander for NATO Allied Joint Force Command Brunssum, Commander Field Army and finally the Master Gunner of St. James's Park further emphasises the significance of this event.

Future Artillery 2025 promises to be a must-attend conference with the largest speaker faculty of fires leadership and personnel from across the globe. Dedicated conference streams allow a wider choice and variety of topics among the indirect fires community, and interactive panel discussions foster cohesive idea-sharing and stimulating debate among industry and end-users.

Join us in this unparalleled gathering of global artillery leadership to shape the future of artillery together.

Regards,




Abbie Butler
Conference Director - Future Artillery 2025,
Defence iQ

AGENDA AT A GLANCE

DAY 1			
PLENARY			
KEYNOTES AND GEOPOLITICAL ANALYSIS			
MORNING BREAK			
MULTI-DOMAIN TARGETING			
LUNCH			
STRATEGIC SITUATIONAL AWARENESS AND DECISION MAKING			
AFTERNOON BREAK			
INDUSTRY PANEL: REACTION AND LETHALITY			
SME PAVILION BREAK			
OPERATIONAL TRANSFORMATION			
DRINKS RECEPTION			
DAY 2			
STREAM A: FIRES ENABLERS	STREAM B: PLATFORM TECHNOLOGIES	STREAM C: LETHALITY AND EFFECT	STREAM D: FUTURE MORTAR SYSTEMS
LOGISTICS	PROGRAMMES	LOITERING MUNITIONS	MOUNTED MORTAR
MORNING BREAK			
UNIT DEVELOPMENT	SENSORS AND AI	LAUNCHED EFFECTS	MOUNTED MORTAR CONT.
LUNCH			
TRAINING	C5ISTAR	UAS INTEGRATION	INTEROPERABILITY
AFTERNOON BREAK			
DOCTRINE	ASCA PANEL	AMMUNITION WORKSHOP	
DRINKS RECEPTION			
DAY 3			
STREAM A: FIRES ENABLERS	STREAM B: PLATFORM TECHNOLOGIES	STREAM C: LETHALITY AND EFFECT	STREAM D: LIGHTWEIGHT FIREPOWER
SUPPLY CHAIN	SURVIVABILITY	LETHALITY	INNOVATION
MORNING BREAK			
PRODUCTION	DECISION MAKING	NON-LETHAL EFFECTS	A2/AD
LUNCH			
PLENARY			
BATTLEFIELD STRATEGY			
END OF CONFERENCE			

NEW FOR FUTURE ARTILLERY 2025



Future Artillery's new location in the UK allows for streamed conversations, a larger networking and exhibition zone including an SME pavilion. Offering more opportunities to meet key providers, decision-makers, and see some examples of the latest technology within the fires community.



A renewed theme so we can focus on preparing for forward-deployment, whether this be for conflict, operations or exercises. Going back to the drawing board to analyse the equipment we have already, discover the gaps and work with industry to find solutions to add or advance capabilities.



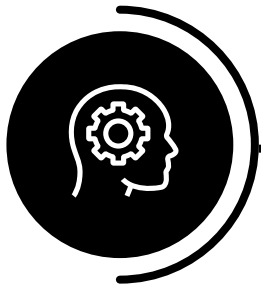
Bringing together more nations and organisations than ever before, providing opportunities to build new relationships, hear about the latest programmes from around the globe and pave the way for future collaboration.



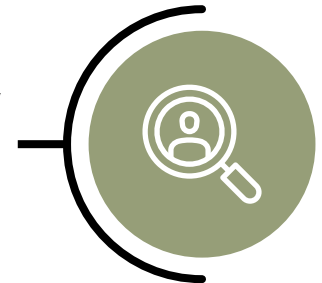
The new 3-day agenda triples the amount of content in previous years to fully address key challenges along with additional opportunity during extended networking breaks for in-depth discussions with peers and counterparts.



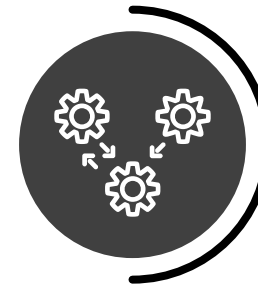
A wider selection of topics such as logistics, supply chain, loitering munitions and mortar systems, enabling a more wide-view approach to conversations.



Learn about the latest capability requirements, through valuable programme updates and armed forces insights.



Attain interoperability and institute common architectures for multinational operations by learning about software compatibility, international training standards, and procurement plans of partner nations.



2025 CHAIRMEN



**Lieutenant General
Sir Andrew Gregory KBE CB DL**
Master Gunner St. James's Park,
British Army



Brigadier Lee Daley
Commander, Defence College of Support,
UK Ministry of Defence



Osman Tasman [TUR]
Former Land Armaments Coordinator
Defence Investment Division,
NATO HQ



Colonel (Ret'd) Paul Daniels
Indirect Fires Subject Matter Expert,
US Army

2025 SPEAKERS INCLUDE



Maria Eagle
Minister for Defence
Procurement and Industry,
UK Government



**General Sir Roly Walker
KCB DSO ADC Gen**
Chief of the General Staff,
British Army



**Lieutenant General
John Mead OBE [GBR]**
Deputy Commander,
NATO Allied Joint Forces
Command (JFC) Brunssum



**Lieutenant General
Mike Elviss CB MBE**
Commander Field Army,
British Army



**Major General
John Rafferty**
Commander
56th Artillery Command,
US Army



**Major General
Marcio Ricardo Grala,**
Commander of the Artillery
Division of the 5th Army
Division, Brazilian Army



**Brigadier General
Antonio Mongio Bergua,**
Chief of Field Artillery
Command,
Spanish Army



**Brigadier General
Gianluca Figus**
Artillery Commander,
Italian Army



**Brigadier General Janos
Jozsef Somogyi**
Deputy Chief of Staff,
Hungarian Defence Forces



**Brigadier Rob Alston
[GBR]**
Chief of Joint Fires and
Influence,
NATO Allied Rapid Reaction
Corps (ARRC)



Brigadier Paul Hughes
Head of Engineering
Assurance and Certification
– Land Domain,
UK Ministry of Defence,
DE&S



**Air Commodore Jamie
Thompson CBE MDS RAF**
Deputy Commander and
Head of Operations,
UK Space Command
*Subject to final confirmation

2025 SPEAKERS



Colonel Fabien Stassinnet
Chief of the Artillery Office,
French Armed Forces



Dr, Colonel (Ret'd) Frederic Peugeot
Branch Chief Ammunition Support Partnership,
NATO Support and Procurement Agency (NSPA)



Colonel Freeman Bonnette
Project Manager, Self-Propelled Howitzer Systems,
PEO Ground Combat Systems,
US Army



Colonel Gregory Tomlin
Director, Army Capability Manager for Division Artillery Formations,
Fort Sill,
US Army



Dr Illimar Ploom
Lecturer in Emerging Technologies and Innovation,
Baltic Defence College



James Black
Deputy Director, Defence and Security,
RAND Europe



Colonel Jost Hügel
Chief of Artillery and Commander of the German Artillery School,
German Armed Forces (Reserves)



Colonel Michael Englis
Director, Fires-Capabilities Development and Integration Directorate,
US Army



Michał Kuc
Section Head of Unmanned Systems Section, Unmanned Systems and Ballistics Centre,
Polish Military Institute of Armament Technology



Colonel Michael Villumsen
Chief of Artillery Regiment,
Danish Armed Forces



Peter Burke
Deputy Project Manager for Combat Ammunition Systems, Joint PEO Armaments and Ammunition,
US Army



Colonel Roman Bobal
Chief of Artillery,
Slovak Armed Forces



Colonel Stephan Sjöberg
Chief of Artillery,
Swedish Army



Lieutenant Colonel Adrian Golonka PhD
Head of the Department of Missile and Artillery Forces, Assistant Professor,
Polish Military University of



Lieutenant Colonel Dana R. Lafarier
Fires Threat Integration Staff Officer,
US Army



Lieutenant Colonel Dejan Šibilja
Chief of Artillery,
Slovenian Armed Forces

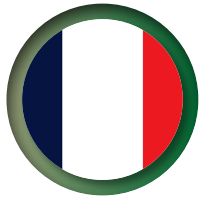


Lieutenant Colonel Erik Verstraelen [BEL]
Programme Officer of Motorised Capability,
French Army



Lieutenant Colonel Ian Welch
Project Manager, Precision Fires and Mortars,
US Army

2025 SPEAKERS



**Lieutenant Colonel
Jeremy Le Corre [FRA]**

Programme Officer of
Motorized Capability, Plans
and Programmes Section,
Multinational Capability
Development,
French Army



**Lieutenant Colonel
John Zwicewicz**

Director Land Requirements
– Artillery Systems,
Canadian Armed Forces



**Lieutenant Colonel
Kenneth Nygren**

Artillery School Commander,
Swedish Army



**Lieutenant Colonel
Marco Tiberti**

C2 and Interoperability
Branch Chief,
Italian Armed Forces



**Lieutenant Colonel
Nick Andrew [GBR]**

Assistant Chief of Staff G35,
NRDC-Turkiye



**Lieutenant Colonel
Rauno Viitmann**

Fires Lecturer, Former Future
Plans Officer,
Estonian Military Academy



Major Aires Carqueijo

Capabilities Area
Coordinator,
Portuguese Army



**Major Andrzej
Niedźwiecki**

Leader of the Artillery Fire
Team,
Polish Military University of
Land Forces



Major Mark Lewis

SO2 Boxer Futures, Lead of
Mechanised Infantry [Boxer]
Programme,
British Army



Major Yoann Poffat

Deputy Commander Trials
and Training Support
Command,
Swiss Armed Forces



Captain Janusz Materac

Lecturer,
Polish Military University of
Land Forces



**Master Sergeant (Ret'd)
Jimmy Arter**

Deputy Director, Fort Sill,
US Army



Howard Cavel

Senior Field Artillery
Specialist, Fires-Capabilities
Development and
Integration Directorate,
Fort Sill,
US Army



Katja Fedina

Senior Analyst,
RAND Europe



Ricky Hart

Principal Adviser Weapons
and Fires, Land Guided
Weapons Team
UK Ministry of Defence,
Dstl



Tim De Zitter

Ammunition and Munitions
Lifecycle Manager,
Belgian Defence Forces

NATO CORPS MEETING PARTICIPANTS



Major General John Rafferty
Commander, 56th Artillery Command,
US Army



Brigadier Rob Alston [GBR]
Chief of Joint Fires and Influence,
NATO Allied Rapid Reaction Corps (ARRC)



Colonel Charalampos Lolos [GRC]
Assistant Chief of Staff – Fires and Targeting,
NRDC-Spain



Colonel Frank Maxwell
Commander, 41st Field Artillery Brigade,
V Corps,
US Army



Lieutenant Colonel John Poore [USA]
SO1 Joint Targeting Coordinator, Allied
Reaction Force,
NRDC-Italy



Colonel Tilman V. Plueskow
Assistant Chief of Staff – JFED,
MNC-Northeast



Major Carlos Del Rio Gomez [ESP]
Fires Operations – Section Chief,
NRDC-Turkiye

“The event provides a great opportunity in finding solutions to fill the gaps of existing artillery structures and capabilities.”

– ARTILLERY BRANCH HEAD, HUNGARIAN DEFENCE FORCES

DAY ONE ■ TUESDAY 20 MAY 2025

Day One of Future Artillery 2025 addresses the strategic priorities of NATO members and allied nations, that are driving the development, procurement and deployment of next generation artillery capabilities. The sessions will provide a comprehensive overview of how key forces are maximising opportunities, focusing on the investments, innovations, and operational developments in the field, to upgrade and modernise artillery systems. You will gain first-hand knowledge of the line of effort in prominent artillery initiatives, including how cutting-edge technologies are enhancing C2, and ways to improve response time and destructive power.


0710 Registration and Refreshments

0830 DEFENCE IQ WELCOME

 **Abbie Butler**, Conference Director, **Defence IQ**

0835 RESERVED FOR 4* PARTNER WELCOME

0840 CHAIRMAN'S OPENING REMARKS


 **Lieutenant General Sir Andrew Gregory**, Master Gunner St. James's Park, **British Army**

MINISTER FOR DEFENCE PROCUREMENT AND INDUSTRY ADDRESS: STRENGTHENING OUR NATIONAL DEFENCES AND SUPPORTING OUR ARMED FORCES

This session highlights the strategic investments in artillery systems aimed to enhance firepower, mobility, and adaptability. It will explore the driving factors behind these investments, including the need for operational superiority in complex environments with a focus on ensuring interoperability among allied forces.

0845 MINISTER FOR DEFENCE PROCUREMENT ADDRESS: STRENGTHENING OUR NATIONAL DEFENCES AND SUPPORTING OUR ARMED FORCES

- Analysing defence procurement strategies and methodologies
- Understanding the requirements of an armed force
- Exploring the opportunities to collaborate in multi-national programmes

 **Maria Eagle**, Minister for Defence Procurement and Industry, **UK Ministry of Defence**

0900 HOST NATION KEYNOTE ADDRESS: MOBILISING THE BRITISH ARMY


- Delivering a more productive and lethal force
- Advancing readiness rates across the domains
- British Army initiatives supporting fires operations

 **General Sir Roly Walker KCB DSO ADC Gen**, Chief of the General Staff, **British Army**

0925 RESERVED FOR 4* PARTNER INDUSTRY INSIGHTS

0955 A GEOPOLITICAL ANALYSIS ON ARTILLERY ACROSS THE GLOBE

- Current context: Regional conflicts, military exercises, and the growing significance of modern artillery
- How are rising threats from asymmetric warfare driving the need for improved counter-artillery capabilities and investments in cutting-edge artillery systems
- The future for land warfare

 **James Black**, Assistant Director – Defence and Security, **RAND Europe**

1045 Morning coffee and networking break

DAY ONE ■ TUESDAY 20 MAY 2025

DELVING INTO TARGETING WITH A CROSS-DOMAIN APPROACH

Synchronisation across multiple domains to create synergistic effects, enables simultaneous and complementary actions to counter advanced threats. Effective MDO requires a shift from service-centric and purely lethal targeting to a holistic approach that includes nonlethal means, continuous targeting, and a more in-depth analysis of threat systems.

1130 **PANEL: EXPLORING THE OPPORTUNITIES IN MULTI-DOMAIN TARGETING**
This panel will explore the processes needed to achieve multi-domain fires synchronised in time and space to achieve complimentary effects; particular attention will be given to targeting:

- How to affect that target with artillery, close-combat attack, or close-air support target development and prioritisation
- Combat assessment
- Mission planning and force execution








 **Lieutenant General Mike Elviss MB CBE**, Commander Field Army, **British Army**
 **Dr Charlotte Peet**, Head of Joint Effects, **Royal Navy**
 **Air Commodore Jamie Thompson CBE MDS RAF**, Deputy Commander and Head of Operations, **UK Space Command** *Subject to final confirmation
 **Senior Representative, NATO Allied Air Command**

1215 **RESERVED FOR INDUSTRY INSIGHTS**

1245 Lunch and networking break

1245 **PRIVATE BRIEFING: OPTIMISING THE USE OF LETHAL FIRES ACROSS THE NATO FORCE STRUCTURE (PART 1)**
-
1400

- Understanding the structure of the Fires Community within the NATO Force Structure
- Understanding the challenges of integrating multidomain effects in NATO
- Planning fires across NATO's tactical echelons
- Modernising use of airspace management and fire support coordination measures
- Evolving targeting from COIN towards large scale combat operations


 **Major General John Rafferty**, Commander, 56th Artillery Command, **US Army**
 **Brigadier Rob Alston [GBR]**, Chief of Joint Fires and Influence, **NATO Allied Rapid Reaction Corps (ARRC)**
 **Colonel Charalampos Lolos [GRC]**, Assistant Chief of Staff – Fires and Targeting, **NRDC-Spain**
 **Colonel Frank Maxwell**, Commander, 41st Field Artillery Brigade, V Corps, **US Army**
 **Colonel Tilman V. Plueskow**, Assistant Chief of Staff – JFED, **MNC-Northeast**
 **Lieutenant Colonel John Poore [USA]**, SO1 Joint Targeting Coordinator, Allied Reaction Force, **NRDC-Italy**
 **Major Carlos Del Río Gómez [ESP]**, Fires Operations – Section Chief, **NRDC-Türkiye**

LAND FORCES DEVELOPMENTS IN SITUATIONAL AWARENESS AND DECISION MAKING

As the pace of combat operations accelerates, the ability to accurately assess the battlefield in real time and make informed, rapid decisions is crucial. This session will feature insights from military leaders and technology experts who will discuss the integration of AI, sensor networks, and real-time data analytics into C2 systems, which are enabling artillery commanders and crews to use artillery systems more efficiently and with better accuracy.

1400 **NATO FIRES AND TARGETING**


- Joint fires roadmap
- Warfare development
- Rethinking deep battle

 **Lieutenant General John Mead [GBR]**, Deputy Commander, **NATO Allied Joint Forces Command (JFC) Brunsum**

1425 **RESERVED FOR INDUSTRY INSIGHTS**

1455 **DEVELOPING THE UK'S LARGEST DEPLOYABLE LAND HQ**

- Constantly developing and proving Corps readiness and interoperability
- Demonstrating C2 across the domains whilst participating in multinational exercises
- Setting conditions for battle using precision fires and coordination

 **Senior Representative, NATO Allied Rapid Reaction Corps (ARRC)**

1520 Afternoon coffee and networking break

DAY ONE ■ TUESDAY 20 MAY 2025

BETTER REACTION AND IMPROVED LETHALITY

The critical advancements that are enabling faster, more effective artillery responses on the modern battlefield offers an opportunity for us to bring together an expert panel of industry leaders, top solution providers, who are at the forefront of developing pioneering technologies that enhance artillery systems. This session will highlight the practical challenges and successes in improving artillery response and effectiveness, providing valuable lessons learned from the frontlines.

1600

INDUSTRY LEADER'S PANEL

- How does industry approach spiral development? Can you provide examples of how this iterative process has improved the efficiency and effectiveness of your products over time?
- How do you prioritise R&D projects to ensure they align with market demands and technological advancements?
- What strategies do you employ to manage supply chain challenges and enhance industrial capacity in the production of artillery systems? what do you foresee for future resilience and flexibility?
- How could government and the military better facilitate collaboration during the development of artillery systems? What are the key benefits and challenges associated with this collaboration?
- What is the optimal balance between achieving perfection and delivering a functional solution in a timely manner?

 Moderator and Co-Chairman: **Colonel (Ret'd) Paul R. Daniels**, Indirect Fires Subject Matter Expert, **US Army**
Senior Representative, **SAAB**

1645

SME pavilion networking break


OPERATIONAL TRANSFORMATION FOR FIRES

Operational transformation for fires involves enhancing manoeuvrability, survivability, and lightweight capabilities to ensure effectiveness for multi-domain operations. By advancing our platforms, forces can enhance battlefield agility and resilience, allowing for agility and survivability in contested environments. Transformation and modernisation is crucial for maintaining strategic advantage and interoperability with NATO allies.

1700

MODERNISING LONG-RANGE PRECISION FIRES AND EFFECTS FOR THE ARMY 2030

- Explaining the plans and coordination of multi-domain fires
- Discussing the integration of joint and multinational fires in theater operations and exercises
- The future: Establishing a cohesive Joint and Allied Theater Fires Architecture capable of linking Allies and Partners using AI and machine learning to make rapid targeting decisions

 **Major General John Rafferty**, Commander, 56th Artillery Command, **US Army**

1725

DISRUPTING ARTILLERY FIRES: REVOLUTIONISING PLATFORM SURVIVABILITY WITH MOBILITY AND SPEED

- Proven combat effectiveness – initial reactions from the battlefield
- Creating an impact in manoeuvrability: Soft Recoil Technology (SRT) enabling lightweight mobility solutions
- Impact of SRT scalability on tactical vehicle enhancements


Senior Representative, **AM General**

AM GENERAL
MISSION READY ★ FUTURE DRIVEN

1755


EXPLORING THE POSSIBILITIES IN INCREASING ARTILLERY PLATFORM SURVIVABILITY

- Investing in advanced countermeasure integration
- Emphasising the important of increased mobility
- Exploring the development of resilient material and structural reinforcements

 Invited: Senior Representative, **Hellenic Armed Forces**

1820

CHAIRMAN'S CLOSING REMARKS

 **Lieutenant General Sir Andrew Gregory**, Master Gunner St James' Park, **British Army**

1830

NETWORKING DRINKS RECEPTION

All conference participants are invited for an evening of extended networking in the exhibition hall, during the drinks reception



1930

END OF DAY 1

DAY TWO ■ WEDNESDAY 21 MAY 2025

Day 2 of our conference represents a significant milestone as for the first time in 24 iterations, we embark on focused conversations taking place within our four new streams, allowing a more specified conversation. This day is structured to explore the critical themes essential to shaping the future of artillery in a rapidly evolving defence landscape. Discover what each stream includes below and move among the rooms to participate in the sessions most relevant to you and your priorities.

0800 Registration and Refreshments				
	<p>STREAM A: FIRES ENABLERS Examining the vital components to ensure that artillery units are looking ahead to the challenge of planning and capabilities necessary for forward-deployment.</p>	<p>STREAM B: PLATFORM TECHNOLOGIES In this stream we will assess the latest platform innovations so programme managers, head of capability areas and operators can understand existing solutions.</p>	<p>STREAM C: LETHALITY AND EFFECT Highlighting the investment and development of cannon, rocket/missile and UAS delivered munition technologies and production capacity to improve readiness for combat operations.</p>	<p>STREAM D: LIGHTWEIGHT FIRE POWER In this stream during day 2 we will be exchanging knowledge and exploring developments in the field of mortar systems. Join us as we address the future of this capability.</p>
0850	<p>STREAM CHAIRMAN'S WELCOMING ADDRESS  Brigadier Lee Daley, Commander of the UK Defence College for Support, UK Ministry of Defence</p>	<p>STREAM CHAIRMAN'S WELCOMING ADDRESS  Mr. Osman Tasman [TUR], Former Secretary NATO Army Armaments Group and Land Armaments Advisor, Defence Investment Division, NATO HQ</p>	<p>STREAM CHAIRMAN'S WELCOMING ADDRESS  Colonel (Ret'd) Paul R. Daniels, Indirect Fires Subject Matter Expert, US Army</p>	<p>STREAM CHAIRMAN'S WELCOMING ADDRESS</p>
	<p>EXPLORING LOGISTICS FOR ARTILLERY OPERATIONS Effective logistics ensures timely delivery of ammunition, equipment and supplies to support sustained operations. This knowledge empowers artillery teams to maximise efficiency and execute missions accurately.</p>	<p>AN UPDATE ON HEADLINING ARTILLERY PROGRAMMES The most transformative programmes currently underway provide critical insight into the latest developments in cutting-edge artillery systems. Project managers will present updates on milestones, breakthroughs, and the objectives.</p>	<p>DISCUSSING LOITERING MUNITIONS Join us for an insightful panel discussion where experts evaluate the tactical, operational and strategic advantages of loitering munitions, address integration challenges, cost considerations, and how these munitions align with existing artillery frameworks.</p>	<p>THE FUTURE OF MOUNTED MORTAR CAPABILITY This session will cover innovations around modularity and automation within the mortar system landscape, exploring how we can be cost-effective and revolutionary.</p>
0900	<p>TRANSFORMING OPERATIONS WITH INTEGRATION AND COLLABORATION</p> <ul style="list-style-type: none"> Optimising logistical efficiency Enhanced decision making with technological innovations Developing collaboration between allies to prepare for operations <p> Invited: NATO Allied Land Command</p>	<p>INCORPORATING A FAST PROCUREMENT STRATEGY INTO DEFENCE PLANNING</p> <ul style="list-style-type: none"> Fast paced procurement to ensure critical defence equipment reaches the front-line Agility in adapting to emerging technologies Incorporating fast procurement strategies <p> Colonel Jost Hügel, Chief of Artillery and Commander of the German Artillery School, German Armed Forces (Reserves)</p>	<p>PANEL: EXPLORING THE VIABILITY OF LOITERING MUNITIONS: ARE THEY AN ARTILLERY CAPABILITY</p> <ul style="list-style-type: none"> Enhancing precision and flexibility: Discussing real-time surveillance and high levels of precision Cost-effectiveness and efficiency: Comparing traditional missile systems and loitering munitions Integration capability with modern warfare systems: Encouraging versatility of tools being utilised in modern warfare <p> Tim De Zitter, Ammunition and Munitions Lifecycle Manager, Belgian Defence Forces  Lieutenant Colonel Rauno Viitmann, Fires Lecturer, Former Future Plans Officer, Estonian Military Academy  Michal Kuc, Section Head of Unmanned Systems Section, Unmanned Systems and Ballistics Centre, Polish Military Institute of Technology</p> <p>Including industry insights</p>	<p>AN UPDATE ON AGILE MOUNTED MORTAR SYSTEM PROCUREMENT</p> <ul style="list-style-type: none"> Explaining Austria's 'Development Plan 2032' Boosting mobility, protection, and effectiveness in various combat scenarios Enhancing defence capabilities, ensuring readiness and resilience in response to evolving security challenges <p> Invited: Austrian Armed Forces</p>
0925	<p>INDUSTRY INSIGHTS BY KONGSBURG</p> 	<p>INDUSTRY INSIGHTS BY NORTHROP GRUMMAN</p> 		<p>RESERVED FOR INDUSTRY INSIGHTS</p>

DAY TWO ■ WEDNESDAY 21 MAY 2025

0955	<p>TRANSFORMING THE ARTILLERY SYSTEMS WITHIN THE SWEDISH LAND FORCES</p> <ul style="list-style-type: none"> Integrating systems to improve battlefield mobility Improving targeting systems and precision technologies Faster resupply systems to optimise logistic capabilities <p> Colonel Stephan Sjöberg, Chief of Artillery, Swedish Armed Forces</p>	<p>DEVELOPMENT OF POLISH FIELD ARTILLERY IN THE LIGHT OF EXPERIENCES FROM THE UKRAINIAN WAR</p> <ul style="list-style-type: none"> Polish field artillery – present status Lessons learned from the Ukrainian War Plans to develop Polish field artillery <p> Lieutenant Colonel Adrian Golonka, Head of the Department of Missile and Artillery Forces</p> <p>Major Andrzej Niedźwiecki, Leader of the Artillery Fire Team</p> <p>Captain Janusz Materac, Lecturer Polish Military University of Land Forces</p>	PANEL CONTINUES	<p>INCREASING LONG RANGE MORTAR PRECISION AND ACCURACY</p> <ul style="list-style-type: none"> Advancing the precision of long-range indirect fires on mobile mortar systems The challenges of moving target acquisition in dispersed peer adversary conflict Mortar system advancements needed to maximise operational effectiveness in today's geopolitical landscape. <p> Lieutenant Colonel Ian Welch, Project Manager, Precision Fires and Mortars, US Army</p>
1020 Morning coffee break and networking				
	<p>LOOKING INTO DEVELOPING HOW FORCES PERFORM ON THE BATTLEFIELD</p> <p>As modern warfare evolves, so must our artillery units, mindset and strategy. The discussion will focus on the transition with an insight from NATO ARRC.</p>	<p>ADVANCEMENTS WITH SENSORS AND AI</p> <p>This session will explore the transformative role of sensors in modern artillery systems, focusing on how integrating these sensors with artificial intelligence (AI) can revolutionise targeting accuracy and operational efficiency and prevent obsolescence.</p>	<p>INCORPORATING ADVANCED LAUNCH EFFECTS (ALE) INTO WARFARE</p> <p>Incorporating ALE into warfare represents a transformative leap for modern artillery. As these innovations become standard, they will redefine the strategic role of artillery.</p>	<p>THE FUTURE OF MOUNTED MORTAR CAPABILITY CONTINUED</p> <p>Continuing on from the morning session, this part two will look into firepower and enhanced mobility, it is important for systems to adapt to various terrains and ensuring rapid deployment to advance mortar operations.</p>
1105	<p>THE ROLE OF JOINT FIRES IN CORPS WARFIGHTING</p> <ul style="list-style-type: none"> The necessity to integrate multidomain fires to penetrate enemy defensive systems The greatest challenge: Finding the enemy by winning the ISR battle Air-land integration is critical to both the land and air battle <p> Brigadier Rob Alston [GBR], Chief of Joint Fires and Influence, NATO Allied Rapid Reaction Corps (ARRC)</p>	<p>CONNECTING SENSORS AND AI TO AID IN DECISION MAKING</p> <ul style="list-style-type: none"> Enhancing data accuracy and real-time insights Automating decision support systems for efficiency Predictive analytics and risk management <p> Colonel Michael Villumsen, Chief of Artillery, Artillery Regiment, Danish Armed Forces</p>	<p>LOW-COST, LONG-RANGE AND LAUNCHED: UTILISING UNCREWED SYSTEMS FOR RECONNAISSANCE</p> <ul style="list-style-type: none"> Gathering intelligence in a cost-effective manner Covering vast distances and utilising systems in hard-to-reach destinations Understanding the versatility and capabilities of UxS <p> Colonel Michael Englis, Director, Fires-Capabilities Development and Integration Directorate</p> <p>Master Sergeant (Ret'd) Jimmy Arter, Deputy Director, Fort Sill, US Army</p>	<p>BOOSTING THE BRITISH ARMY'S FIREPOWER WITH HINGED AND MOUNTED MORTARS</p> <ul style="list-style-type: none"> Programme update on the boxer 120MM procurement journey Advancing the mobility of troops through forward-thinking power to weight ratios Challenges with deployment by Armoured Brigade Combat Teams (ABCT) and solutions posed by the DE&S <p> Invited: Senior Representative, UK Ministry of Defence, DE&S</p>
1130	RESERVED FOR INDUSTRY INSIGHTS	<p>INDUSTRY INSIGHTS BY SAAB</p> 	<p>INDUSTRY INSIGHTS BY RTX</p>  <p><small>COLLINS AEROSPACE PRATT & WHITNEY RAYTHEON</small></p>	RESERVED FOR INDUSTRY INSIGHTS

DAY TWO ■ WEDNESDAY 21 MAY 2025

1200


THE FUTURE OF CANNON ARTILLERY

- Latest guidance from Army Senior Leaders
- Towed Howitzer modernisation
- The 52-caliber debate

 **Colonel Freeman Bonnette**, Manager, Self-Propelled Howitzer Systems (SPHS), PEO Ground Combat Systems, **US Armed Forces**
Colonel Greg Tomlin, Director, Army Capability Manager for Division Artillery Formations, Fort Sill, **US Army**


THE SLOVAK PERSPECTIVE ON JOINT FIRES BEYOND 2040+

- Innovative methods into advancing capabilities without the expense
- How Slovakia intends on integrating UAS into indirect fire operations
- Evaluation and testing in AI: What do we expect to see from industry in the future?

 **Colonel Roman Bobal**, Chief of Artillery, Chief of Joint Fires and Air Defence Department, Chairman of NATO ICG Indirect Fires, **General Staff of Armed Forces of Slovak Republic**

EXPLORING THE OPPORTUNITIES IN ADAPTABLE UXS AND ARTILLERY

- Research and development of uncrewed systems
- The different payloads and warheads currently being tested and utilised with UxS
- What to expect in the future?

 **Michal Kuc**, Section Head of Unmanned Systems Section, Unmanned Systems and Ballistics Centre, **Polish Military Institute of Technology**

THE ITALIAN INFANTRY ARMoured VEHICLE PROGRAMME (IFV)

- Infantry Fighting Vehicle with 120MM Rifled Recoiled Mounted Mortar 2R2M
- Enhanced equipment for the users
- Test facilities for the HE bombs

 **Invited: Senior Representative, Italian Armed Forces**

1225

Networking lunch

1230

PRIVATE BRIEFING: If you wish to be included in this closed-door meeting, please speak with your Defence iQ point of contact and the request will be sent to NATO ARRC to approve/deny

1345

OPTIMISING THE USE OF LETHAL FIRES ACROSS THE NATO FORCE STRUCTURE – PART 2

- Understanding the structure of the Fires Community within the NATO Force Structure
- Understanding the challenges of integrating multidomain effects in NATO
- Planning fires across NATO's tactical echelons
- Modernising use of airspace management and fire support coordination measures
- Evolving targeting from COIN towards large scale combat operations

TRAINING FOR AGILE COMBAT EMPLOYMENT

Emphasising the need for adaptive training strategies allows us to discuss innovative approaches to developing flexible, highly responsive artillery units capable of operating in dispersed and contested environments.

ENHANCING SITUATIONAL AWARENESS WITH TECHNIQUES IN C5ISTAR

Exploring techniques that enhance situational understanding beyond immediate visual range, intelligence capabilities designed to streamline and enhance combat operations, crucial for strategic planning and effectiveness.

INTEGRATING A UAS CAPABILITY INTO FIRES

UAS integration allows for real-time surveillance, precise targeting data, and improved coordination, thereby increasing the efficiency of artillery fire support. This also enhances overall battalion capabilities.


BOLSTERING INTEROPERABILITY IN FIRES

Bolstering interoperability involves advanced communication systems and standardised protocols across allied forces. Enhanced data sharing ensures synchronised targeting, while joint training exercises improve coordination.

1400

STRENGTHENED PREPAREDNESS THROUGH COMBINED AND JOINT TRAINING IN AN ARTIC ENVIRONMENT

- Training and experiments opportunity in high north
- Why train in the high north?
- How to train in a low infrastructure environment

 **Lieutenant Colonel Kenneth Nygren**, Commander, Artillery School, **Swedish Armed Forces**


CHALLENGES IN GAINING AN 'OVER THE HORIZON' AWARENESS

- Aligning modernisation goals with strategic forecasting
- Enhancing surveillance and target acquisition systems
- Optimising data integration across C2 systems

 **Major Aires Carqueijo**, Capabilities Area Coordinator, **Portuguese Army**


ANALYSING THE USE OF UAS TO SUPPORT LAND WARFARE OPERATIONS WITHIN THE BALTICS

- Improving ISR across all domains
- Standardising the interoperability framework
- Considerations in the Baltic defence ecosystem

 **Dr Illimar Ploom**, Lecturer in Emerging Technologies and Innovation, **Baltic Defence College**

RE-ESTABLISHING THE HUNGARIAN JOINT FIRES CAPABILITIES

- Contemporary and future challenges
- How Hungary plans to integrate its future joint fires capabilities
- Training, as the key aspect of the capability buildings

 **Brigadier General János József Somogyi**, Deputy Chief of Staff, **Hungarian Defence Forces**

DAY TWO ■ WEDNESDAY 21 MAY 2025

1425	RESERVED FOR INDUSTRY INSIGHTS	INDUSTRY INSIGHTS BY ESG 	RESERVED FOR INDUSTRY INSIGHTS	RESERVED FOR INDUSTRY INSIGHTS
1400	GENERATING ARTILLERY FIGHTERS FOR THE FUTURE <ul style="list-style-type: none"> An update on future artillery systems for the Swiss armed forces Specific training for artillery, exploration and forward observer conscripts in different environments Increasing combined and joint exercises <p>+ Major Yoann Poffat, Deputy Commander Trials and Training Support Command, Swiss Armed Forces</p>	THE FUTURE OF FIRES THROUGH INFORMED ACQUISITION INTELLIGENCE <ul style="list-style-type: none"> Exploring modernisation opportunities to determine the future of fires in the US Army Understanding what 'threat integration' involves What is the acquisition intelligence process and what observations are made when it comes to fires capability? <p> Lieutenant Colonel Dana Lafarier, Fires Threat Integration Staff Officer, HQDA G-2, US Army</p>	UAS INTEGRATION TO ADVANCE SURVEILLANCE AND ACCURACY <ul style="list-style-type: none"> Improving tactical advantages on the battlefield by enhancing the accuracy and effectiveness of artillery strikes Facilitating effective counter-battery positions operations by enabling retaliatory strikes with speed Expansion of UAS across various units <p> Brigadier General Gianluca Figus, Artillery Commander, Italian Army</p>	MULTI-NATIONAL CAPABILITY DEVELOPMENT FOR INDIRECT FIRES <ul style="list-style-type: none"> Motorised Capability cooperation Current cooperation in artillery (in all domains such as: Equipment, training and education) Future common artillery capability developments <p> Lieutenant Colonel Erik Verstraelen [BEL], Programme Officer of Motorised Capability</p> <p> Lieutenant Colonel Jérémy Le Corre [FRA], Programme Officer of Motorised Capability, Plans and Programmes Section, Multinational Capability Development, French Armed Forces</p>

1520 **Afternoon coffee break and networking**



DAY TWO ■ WEDNESDAY 21 MAY 2025

SHARING UPDATES ON DOCTRINE, STANDARDISATION AND CERTIFICATION

We will discuss the evolution of doctrine to meet contemporary threats and how standardisation can enhance interoperability between allied forces. Participants will gain insights into aligning training, procedures and operational frameworks to ensure consistency and effectiveness in joint operations.

CENTRALISING C2 FOR ARTILLERY IN NATO

Armed forces demand greater coordination and rapid decision-making and centralising C2 becomes crucial for enhancing interoperability among allied forces. By streamlining C2 processes, this session aims to highlight how NATO can improve the effectiveness and responsiveness of its artillery units in a multi-domain battlefield.

FIRES EFFECTS WORKSHOP (STREAM C)


Delving into the latest advancements tied to artillery and mortar effects and related technologies. From propulsion to payloads to onboard sensors and assured navigation, this workshop offers a unique opportunity to explore the future of indirect fires effects in support of close combat and shaping the deep fight.

Structure description: The first half will be led by our expert end-users, outlining the challenges and the second half will be led by our industry, solution providers to come up with potential ideas to take away from the conference, supporting and providing an opportunity for collaboration.

1600

MAINTAINING RIGOROUS STANDARDS IN NEWLY PROCURED LAND SYSTEMS

- Determining the level of compliance of land capabilities
- Understanding limitations across concept, testing, manufacturing, in-service and disposal
- An update on current projects, including the Archer

 **Brigadier Paul Hughes**, Head of Engineering Assurance and Certification – Land Domain, **UK MoD DE&S**

PANEL: THE ARTILLERY SYSTEMS COOPERATION ACTIVITIES (ASCA) PROGRAMME – WHAT'S NEXT?

- Highlighting the importance of standardising protocols and communication systems to enhance joint operational capabilities
- Emphasising the role of emerging technologies such as AI, automation, and advanced targeting systems in improving the effectiveness and efficiency of cooperative artillery operations
- Outlining the importance of continuous training and cooperation to maintain readiness and adaptability in evolving combat environments

 **Howard Cavel**, Senior Field Artillery Specialist, Fires-Capabilities Development and Integration Directorate, Fort Sill, **US Army**

 **Lieutenant Colonel Marco Tiberti**, C2 and Interoperability Branch Chief, **Italian Armed Forces**

 **Brigadier Rob Alston [GBR]**, Chief of Joint Fires and Influence, **NATO Allied Rapid Reaction Corps (ARRC)**

Including industry insights


WORKSHOP: DISCUSSING THE ADVANCEMENTS, CAPABILITIES AND CHALLENGES WITH EFFECTS TO AID FUTURE ENHANCEMENT

This workshop will be split in two halves and the chairman will support the audience in separating into groups. The first half will be led by our incredible expert speakers listed below where the room will discuss some of the common challenges and current achievements in fires effects. The second half will be led by our innovative solution providers and industry experts where we will use the information gathered from the first half to begin talking about potential solutions.

Key points of discussion will be, but are not limited to:

- Current achievements of effects
- Identified challenges/capability gaps
- Innovative ideas and solutions to support fires operations in the future

 **Katja Fedina**, Senior Analyst, **RAND Europe**

 **Lieutenant Colonel Adrian Golonka**, Head of the Department of Missile and Artillery Forces, **Polish Military University of Land Forces**

 **Jonas Granberg**, Project Officer Ammunition Technology, **European Defence Agency**

Including industry insights

1625

RESERVED FOR INDUSTRY INSIGHTS

1655

REWRITING THE RULE BOOK – DOCTRINE AND STANDARDISATION WITHIN ARTILLERY AND FIRES


- Highlighting the importance of incorporating lessons learned from recent conflicts and integrating new technologies to enhance operational effectiveness
- Focusing on the benefits of interoperability, such as improved coordination, reduced logistical burdens, and enhanced combat readiness
- Exploring how the Spanish Army is leveraging cutting-edge technologies, such as precision-guided munitions, advanced targeting systems, and AI-driven decision-making tools, to rewrite the rule book

 **Brigadier General Antonio Mongio Bergua**, Chief of Field Artillery Command, **Spanish Armed Forces**


DAY TWO ■ WEDNESDAY 21 MAY 2025

1715

STREAM CHAIRMAN'S CLOSING REMARKS

 **Brigadier Lee Daley**, Commander of the UK Defence College for Support, **UK Ministry of Defence**

STREAM CHAIRMAN'S CLOSING REMARKS

 **Osman Tasman [TUR]**, Former Secretary NATO Army Armaments Group and Land Armaments Advisor, Defence Investment Division, **NATO HQ**

STREAM CHAIRMAN'S CLOSING REMARKS

 **Colonel (Ret.) Paul R. Daniels**, Indirect Fires Subject Matter Expert, **US Army**

1715

NETWORKING DRINKS RECEPTION











1830

END OF DAY 2

DAY THREE ■ THURSDAY 22 MAY 2025












Day 3 will continue with the focused streamed sessions and will close with a final plenary session. We will continue the discussions in preparation, platform advancement and power and propulsion. Join us for an exciting and informative final day where we evolve our discussions from days 1 and 2.

0800 Registration and Refreshments				
	<p>STREAM A: FIRES ENABLERS Examining the vital components to ensure that artillery units are looking ahead to the challenge of planning and capabilities necessary for forward-deployment.</p>	<p>STREAM B: PLATFORM TECHNOLOGIES In this stream we will assess the latest platform innovations so programme managers, head of capability areas and operators can understand existing solutions.</p>	<p>STREAM C: LETHALITY AND EFFECT Highlighting the investment and development of cannon, rocket/missile and UAS delivered munition technologies and production capacity to improve readiness for combat operations.</p>	<p>STREAM D: LIGHTWEIGHT FIRE POWER During day 3 discussion in this stream will focus on innovation, collaboration but also exploring the opportunities for industry in A2/AD environments.</p>
0850	<p>STREAM CHAIRMAN'S WELCOMING ADDRESS  Brigadier Lee Daley, Commander of the UK Defence College for Support, UK Ministry of Defence</p>	<p>STREAM CHAIRMAN'S WELCOMING ADDRESS  Mr. Osman Tasman [TUR], Former Secretary NATO Army Armaments Group and Land Armaments Advisor, Defence Investment Division, NATO HQ</p>	<p>STREAM CHAIRMAN'S WELCOMING ADDRESS  Colonel (Ret'd) Paul R. Daniels, Indirect Fires Subject Matter Expert, US Army</p>	<p>STREAM CHAIRMAN'S WELCOMING ADDRESS</p>
	<p>METHODOLOGIES TO IMPROVE SUPPLY RESILIENCE IN FIRES Supply resilience is vital for artillery personnel to ensure uninterrupted support in high stakes combat scenarios. These strategies are crucial for mission success, as they enhance preparedness, responsiveness and sustainment, allowing personnel to adapt.</p>	<p>INCREASING PLATFORM SURVIVABILITY Enhancing platform survivability is crucial and extends to reducing detection with camouflage, improving armour and integrating advanced electronic countermeasures, all of which are essential.</p>	<p>INCREASING LETHALITY CAPABILITY Focused on improving precision, range and impact, we will discuss the latest advancements in munition design and firepower. A key emphasis will be on collaborative programmes and international partnerships driving innovation forward.</p>	<p>INNOVATION AND COLLABORATION WITHIN INDIRECT FIRES In order to enhance accuracy, mobility and ease of deployment, we must innovate. Lightweight, adaptable platforms improve manoeuvrability, enable rapid response and effectiveness in diverse terrains and combat scenarios.</p>
0900	<p>CROSS-FORCE COLLABORATION IN DEVELOPING THE SUPPLY-CHAIN FOR FIRES</p> <ul style="list-style-type: none"> The role of the logistics regiment alongside the artillery regiment Providing fire support for the units during operations defending the republic Implementing plans, training and intelligence into the artillery regiment <p> Invited: Senior Representative, NATO Support and Procurement Agency</p>	<p>CANADIAN ARTILLERY MODERNISATION UPDATE</p> <ul style="list-style-type: none"> Canada's approach to layered fires Understanding the scope of indirect fires modernisation 39 to 52 Calibre Transition – Anticipated Challenges <p> Lieutenant Colonel John Zwicewicz, Director Land Requirements – Artillery Systems, Canadian Armed Forces</p>	<p>BOLSTERING INTEROPERABILITY AND INTERCHANGEABILITY</p> <ul style="list-style-type: none"> NATO's shift to ramp up support for ammunition production Enabling demand for ammunition The artillery ammunition portfolio within the ARMS partnership <p> Dr, Colonel (Ret'd) Frederic Peugeot, Ammunition Support Partnership Branch Chief, NATO Support and Procurement Agency (NSPA)</p>	<p>REVOLUTIONISING BATTLEFIELD MOBILITY WITH A RAPID-DEPLOYABLE MORTAR SYSTEM</p> <ul style="list-style-type: none"> Testing and evaluation within the US Special Forces Experimenting with fast and far fire capabilities Enhancing mobility and versatility during defensive and offensive operations <p> Invited: Senior Representative, US Army</p>
0925	<p>RESERVED FOR INDUSTRY INSIGHTS</p>	<p>RESERVED FOR INDUSTRY INSIGHTS</p>	<p>INDUSTRY INSIGHTS BY HANWHA  Hanwha Aerospace</p>	<p>RESERVED FOR INDUSTRY INSIGHTS</p>

DAY THREE ■ THURSDAY 22 MAY 2025

0955	<p>THE OPPORTUNITIES AND CHALLENGES IN THE DIVISION FRAMEWORK</p> <ul style="list-style-type: none"> • Outlining Estonia's fires support in the divisional framework • Lessons learned from first training cycle • Exploring innovative methods to advance artillery capabilities <p> Lieutenant Colonel Rauno Viitmann, Fires Lecturer, Former Future Plans Officer, Estonian Military Academy</p>	<p>PROTECTION SYSTEMS TO ADVANCE SURVIVABILITY OF ARMoured VEHICLES AND ARTILLERY SYSTEMS</p> <ul style="list-style-type: none"> • Advancing sensors and countermeasures to enhance interception • Using cutting-edge materials for improved protection while maintaining mobility levels • Disrupting and neutralising: Integrating EW and cyber defence into platforms <p> Invited: Senior Representative, Latvian Armed Forces</p>	<p>US ARMY INDIRECT FIRE MODERNISATION AND PRODUCTION EXPANSION</p> <ul style="list-style-type: none"> • Evolution of innovating at the round • Production capacity expansion • Improving interoperability <p> Peter Burke, Deputy Project Manager, Combat Ammunition Systems, Joint PEO Armaments & Ammunition, US Armed Forces</p>	<p>EXPLORING COLLABORATION OPPORTUNITIES WITHIN THE FIRES INDUSTRY COMMUNITY</p> <ul style="list-style-type: none"> • An overview on the prototyped Boxer Armoured Mortar Variant • A milestone in mortar development • Committing to developments in land warfare with cutting-edge solutions <p> Major Mark Lewis, SO2 Boxer Futures, Lead of Mechanised Infantry [Boxer] Programme, British Army</p>	
1020 Morning coffee break and networking					
<p>DEVELOPMENTS IN AMMUNITION PRODUCTION</p> <p>As demand for munitions grows, collaboration becomes essential to meet requirements. We will explore innovative manufacturing techniques, the integration of new materials, and the streamlining supply.</p>		<p>SHORTENING THE KILL-CHAIN</p> <p>By reducing the time from target detection to engagement, artillery units can deliver precision strikes more rapidly and with greater accuracy. Improved communication and coordination between detection assets and artillery platforms ensure swift target acquisition and response.</p>		<p>ADVANCING NON-LETHAL EFFECTS</p> <p>Nations are considering how to advance their non-lethal effects strategy. Causing communication breakdowns and movement restrictions, weaken an adversary's effectiveness without causing casualties, allowing for strategic advantages and minimising collateral damage in conflict</p>	<p>DEVELOPING SOLUTIONS IN ANTI-ACCESS/AREA DENIAL (A2/AD) WITHIN FIRES</p> <p>Enhancing sensor networks for real-time targeting, and leveraging cyber capabilities for countermeasures, ensures effective disruption of adversarial strategies. These innovations fortify defence by creating resilient, adaptable indirect fire support systems.</p>
1100	<p>CUTTING-EDGE AMMUNITION TECHNOLOGY FOR MODERN WARFARE</p> <ul style="list-style-type: none"> • Discussing how innovation is improving accuracy and reducing collateral damage in indirect fire operations • Highlighting sustainable practices and enhancing safety standards in the production and disposal of ammunition • Exploring the future trends that are set to revolutionise ammunition technology <p> Jonas Granberg, Project Officer Ammunition Technology, European Defence Agency</p>	<p>IMPLEMENTING SOFTWARE TO ADVANCE DECISION MAKING</p> <ul style="list-style-type: none"> • Exploring how advanced software can improve accuracy and real-time processing • Reducing human intervention by integrating AI and machine learning • Discussing the importance of designing software that supports scalable networks <p> Lieutenant Colonel Dejan Šibilja, Chief of Artillery, Slovenian Armed Forces</p>	<p>ANALYSING THE FUTURE OF NON-LETHAL EFFECTS WITHIN FIRES</p> <ul style="list-style-type: none"> • Lessons learned from recent exercises • Joint force exploration in non-lethal effects • Future evaluation: What could we look to develop in fires strategy <p> Lieutenant Colonel Nick Andrew [GBR], Assistant Chief of Staff G35, NRDC-Türkiye</p>	<p>EFFECTS BASED CAPABILITY DEVELOPMENT</p> <ul style="list-style-type: none"> • Increasing effect whilst decreasing man power requirements • Integration of new technology in operations • Case study: A new approach to AVN effects <p> Jan Haick, Effects Based Capability Development, Danish Defence Command</p>	
1125	RESERVED FOR INDUSTRY INSIGHTS	RESERVED FOR INDUSTRY INSIGHTS	RESERVED FOR INDUSTRY INSIGHTS	RESERVED FOR INDUSTRY INSIGHTS	

DAY THREE ■ THURSDAY 22 MAY 2025

1155	<p>SECURING OPERATIONAL ADVANTAGE THROUGH CUTTING EDGE SCIENCE AND TECHNOLOGY (S&T)</p> <ul style="list-style-type: none"> UK Investment into S&T S&T requirements for future artillery Maximising effective and efficient lethality <p> Ricky Hart, Principal Adviser Weapons and Fires, Land Guided Weapons Team, UK Ministry of Defence, Dstl</p>	<p>SHORTENING THE SENSOR TO SHOOTER LOOP WITH AI ANALYTICS</p> <ul style="list-style-type: none"> Accelerating decision making with analytics Processing data faster and accelerating the speed of decision making Filtering irrelevant data and prioritising critical information in a precise and efficient manner <p> Colonel Fabien Stassinnet, Chief of the Artillery Office, French Armed Forces</p>	<p>JOINT TARGETING WITHIN THE ALLIED REACTION FORCE (ARF)</p> <ul style="list-style-type: none"> An overview on the Allied Reaction Force: A three-star, Joint Task Force certified headquarters NATO's answer to problems requiring a quick solution anywhere within or without the NATO AOR Varied missions and locations: An adaptable model of managing joint fires and targeting <p> Lieutenant Colonel John Poore [USA], SO1 Joint Targeting Coordinator, Allied Reaction Force, NRDC-Italy</p>	<p>FIRES TRIALS IN VARIED ENVIRONMENTS</p> <ul style="list-style-type: none"> Adapting platforms for different terrains and scenarios Testing the versatility of fire systems Lessons learned <p> Invited: Norwegian Armed Forces</p>
1220	<p>STREAM CHAIRMAN'S CLOSING REMARKS</p> <p> Brigadier Lee Daley, Commander of the UK Defence College for Support, UK Ministry of Defence</p>	<p>STREAM CHAIRMAN'S CLOSING REMARKS</p> <p> Osman Tasman [TUR], Former Secretary NATO Army Armaments Group and Land Armaments Advisor, Defence Investment Division, NATO HQ</p>	<p>STREAM CHAIRMAN'S CLOSING REMARKS</p> <p> Colonel (Ret.) Paul R. Daniels, Indirect Fires Subject Matter Expert, US Army</p>	<p>STREAM CHAIRMAN'S CLOSING REMARKS</p>
1230	Networking lunch			
1345	<p>PLENARY CHAIRMAN'S OPENING REMARKS</p> <p> Colonel (Ret.) Paul R. Daniels, Indirect Fires Subject Matter Expert, US Army</p>			
<p>EFFECTIVE STRATEGY FOR THE BATTLEFIELD</p> <p>An effective artillery strategy for the battlefield hinges on meticulous planning and forward-thinking development. By integrating advanced technologies and methodologies, artillery forces can enhance their operational effectiveness and adaptability. Future-focused strategies must prioritise seamless integration with NATO standards and protocols to ensure cohesive multi-national operations. Emphasising innovation and strategic foresight, these approaches will not only improve current capabilities but also set the groundwork for future advancements, securing a decisive edge in complex and dynamic combat environments.</p>				
1355	<p>PLANNING FOR 2030, DEVELOPING FOR 2040+</p> <ul style="list-style-type: none"> Emphasising the need to upgrade current artillery platforms with advanced technology to maintain strategic dominance by 2030 and beyond Discussing how integrating AI, UAS, and other robotics into artillery units can enhance operational efficiency Highlighting the importance of investing in and developing long-range strike systems <p> Invited: US Army</p>			
1420	RESERVED FOR INDUSTRY INSIGHTS			
1450	<p>DESCRIBING THE CHALLENGES AND OPPORTUNITIES FOR COLLABORATION WITHIN BRAZILIAN ARTILLERY</p> <ul style="list-style-type: none"> Outlining the organisation of fires within the Brazilian Army Exploring the possibilities to engage and collaborate Opportunities for industry and the requirements for the Artillery Division of the Army <p> Major General Erb Lyra Leal, Chief of Artillery Command, Brazilian Army</p>			
1515	<p>CHAIRMAN'S CLOSING REMARKS</p> <p> Colonel (Ret.) Paul R. Daniels, Indirect Fires Subject Matter Expert, US Army</p>			
1530	END OF CONFERENCE			

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Diehl Defence GmbH & Co. KG, headquartered in Überlingen, concentrates the Diehl Group's business activities in the fields of defence and security and is a leading supplier of state-of-the-art air defence systems. As partner of the German Bundeswehr and international armed forces, Diehl Defence develops and delivers high tech equipment in the fields of ground-based air defence, guided missiles, ammunition as well as training and protection. Diehl Defence generates annual sales of over 800 million euros with about 3,200 employees.

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With the acquisition of Hanwha Corporation/Defense and merger of Hanwha Defense, Hanwha Aerospace will grow into a global defense solutions company that encompasses all areas of defence. Our wide range of products have expanded to include artillery systems, armored vehicles, air defence systems and unmanned ground systems. We already hold market leadership in Self-Propelled Howitzers (SPH) by exporting K9 SPH to eight countries.

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HENSOLDT is a leading company in the European defence industry with a global reach. Based near Munich, the company develops complete sensor solutions for defence and security applications. As a system integrator, HENSOLDT offers platform-independent, networked solutions. Being a technology leader, the company is also driving forward the development of defence electronics and optronics and is continuously expanding its portfolio based on innovative approaches to data fusion, artificial intelligence and cyber security. In 2023, HENSOLDT achieved a turnover of 1.85 billion euros. Following the acquisition of ESG GmbH in 2024, the company employs around 8,000 people.

Website: <https://www.hensoldt.net/>



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Northrop Grumman's Armament Systems Business Unit is an industry leader in guided projectiles and precision weapons that are employed from air, land and sea-based platforms. These weapons provide the ability to engage difficult targets with precision to increase effects while limiting collateral damage.

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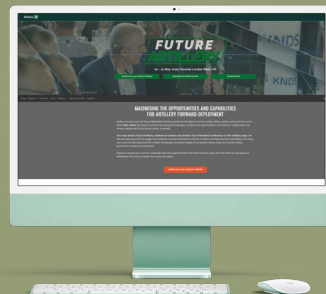
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