

IFIB-ACT-SACT-24-28



NORTH ATLANTIC TREATY ORGANIZATION
HEADQUARTERS, SUPREME ALLIED COMMANDER TRANSFORMATION
7857 BLANDY ROAD, SUITE 100
NORFOLK, VIRGINIA 23551-2490

Description of Acquisition

Part 1 Bidding Instructions

IFIB-ACT-SACT-24-28

Amendment 1 (Changes in red font)

This Enclosure is designed to assist the respective company provide HQ SACT with all necessary documents/information required. For clarification, please refer to Bidding instructions in part 1 of subject solicitation.

1. General
2. Classification
3. Definitions
4. Eligibility
5. Duration of the Contract
6. Exemption of Taxes
7. Amendment or Cancellations
8. Bidder Clarifications
9. Bid Closing Date
10. Bid Validity
11. Contents of Proposal
12. Proposal Submission
13. Late Proposal
14. Bid Withdrawal
15. Bid Evaluation
16. Proposal Clarifications
17. Award
18. Communications and Contacts
19. Point of Contact

ENCLOSURES:

1. Proposal/Content Checklist
 2. Address Label
 3. Bidder's Contact Information
 4. Compliance Statement to Sealed Bid
 5. Past Performance Information
 6. Mandatory Price Proposal
 7. Statement of Work
- Annex A – Technical Proposal Assessment**

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PART 1 BIDDING INSTRUCTIONS

1. General

This is a Firm Fixed Price Deliverables contract in accordance the General Terms and Conditions; **Contract Award is contingent upon funding availability; Partial bidding is NOT allowed.**

2. Classification

This IFIB is a NATO UNCLASSIFIED document.

3. Definitions

- (a) The "Prospective Bidder", shall refer to the entity that has completed and returned the Enclosure of the transmittal letter of this IFIB, and has indicated thereon its intention without commitment, to participate in this IFIB.
- (b) The term "Bidder", shall refer to the bidding entity that has completed a bid in response to this IFIB.
- (c) The term Contractor shall refer to the bidding entity to whom the contract is awarded.
- (d) The term "Contracting Officer" designates the official who executes this IFIB on behalf of HQ SACT.
- (e) "Contracting Officer's Technical Representative" or "COTR" is the official who is appointed for the purpose of determining compliance of the successful bid, per the technical specifications.
- (f) The term "HQ SACT" shall refer to Supreme Headquarters Allied Command Transformation.
- (g) The term "ACT" shall refer to Allied Commander Transformation.
- (h) The term "NATO", shall refer to the North Atlantic Treaty Organisation.
- (i) The term "days" as used in this IFIB shall, unless otherwise stated, be interpreted as meaning calendar days.
- (j) The term "Habitual Residence", means HQ SACT, Norfolk, Virginia, VA 23511.

4. Eligibility

This IFIB is open to companies:

- (a) Established in a North Atlantic Treaty Organisation Alliance member nation.
- (b) Working in the required field of study and legally authorised to operate in the United States of America, at the time of bidding.
- (c) Has performed the desired past performance including size, cost and scope,

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IFIB-ACT-SACT-24-28

as described in this IFIB.

5. Duration of Contract

- (a) The contract awarded shall be effective upon date of award.
- (b) Period of Performance: Base Period is Award – 19 July 2024. Actual presentation shall be two days (one setup/rehearse and one present) between the dates of **8 July 2024 – 19 July 2024**.

6. Exemption of Taxes

In accordance with the agreements, (Article VIII of the Paris Protocol dated, 25 August 1952) goods and services under this contract are exempt from taxes, duties and similar charges.

7. Amendment or Cancellation

- (a) HQ SACT reserves the right to amend or delete any one or more of the terms, conditions or provisions of the IFIB prior to the date set for bid closing. A solicitation amendment or amendments shall announce such action.
- (b) HQ SACT reserves the right to cancel, at any time, this IFIB either partially or in its entirety. No legal liability on the part of HQ SACT shall be considered for recovery of costs in connection to bid preparation. All efforts undertaken by any bidder shall be done considering and accepting, that no costs shall be recovered from HQ SACT. If this IFIB is cancelled, bidders who submitted proposals shall be notified via email from BUDFIN P&C.

8. Bidder Clarifications

- (a) Prospective Bidders should seek clarification at their earliest convenience. Any explanation regarding the meaning or interpretation of this IFIB, terms, clause, provision or specifications, shall be requested in writing, from the Contracting Officer. The Contracting Officer must receive such requests for clarification no later than 10 calendar days prior to the bid closing date.
- (b) Information in response to all inquiries / requests for clarification to a prospective bidder shall be furnished to all prospective bidders at the following link: <http://www.act.nato.int/contracting> as a Question and Answer addendum. All such addendums and any necessary solicitation amendments shall be incorporated into this IFIB. Oral Interpretations shall not be binding.

9. Bid closing date

Bids shall be received at HQ SACT, Purchasing and Contracting Office, no later than **12 Jun 2024, 0900 hours, Eastern Daylight Time, Norfolk, Virginia, USA**. No bids shall be accepted after this time and date.

10. Bid Validity

Bids shall remain valid for a period of one hundred and twenty days (120) from the applicable closing date set forth within this IFIB. HQ SACT reserves the right to request an extension of validity. Bidder shall be entitled to either grant or deny this extension of validity; HQ SACT shall automatically consider a denial to extend the validity as a withdrawal of the bid.

11. Content of Proposal

The proposal shall consist of 2 separate single PDF documents (Technical/Price) sent via e-mail as per the instructions. No hard copy proposals are required or will be accepted. E-mailed PDF documents shall be received no later than **12 June 2024, 0900 hours, Eastern Daylight Time, Norfolk, Virginia, USA**.

A table of contents for the entire proposal (Checklist provided as Enclosure #1), with:

- (a) The bidder's full name address, Point of Contacts, Telephone, Fax number and Internet site;
- (b) Compliance statement;
- (c) Provision of financial and technical volumes
- (d) Annex A
- (e) Past performance

12. Proposal Submission

- (a) Proposals shall be submitted in two separately e-mailed packages, one containing a single PDF document of the Technical volume and one containing a single PDF document of the Price volume. **Multiple files that must be pieced together to form the technical proposal will be rejected.** The e-mail subject and PDF files shall be clearly marked with the IFIB Solicitation reference number and indicate if it is the Technical or Price Volume.
- (b) Proposal packages must be received by the HQ SACT identified Contracting Officers prior to the 0900 deadline. Delays in receipt due to server processes either at the contractor's facility, HQ SACT or both do not constitute an acceptable delay to the deadline. Contractors should ensure there is sufficient

IFIB-ACT-SACT-24-28

- time to transmit proposals and confirm receipt prior to the established deadline.
- (c) Price proposals shall be in U.S. Dollar currency. Contractor may request payment post award in alternate currency based on NATO published conversion rate for applicable year. Prices shall be on a Firm Fixed Price Basis and include any relevant discount schedule.
 - (d) It is the sole responsibility of the interested company to review any Q & A that may be issued in support of this solicitation, prior to bid submission at www.act.nato.int/contracting.
 - (e) No oral bids or oral modifications or telephonic bids shall be considered.
 - (f) It is the ultimate responsibility prior to submission that all proposal submissions are reviewed to ensure they meet the technical and administrative specifications and that offers meet the limitations and expressed conditions.

13. Late Proposals

- (a) It is solely the bidder's responsibility that every effort is made to ensure that the proposal reaches HQ SACT prior to the established closing date and time. Only if it can be unequivocally demonstrated that the late arrival of the bid package was the result of NATO staff negligence (mishandling) shall the bid be considered.

14. Bid Withdrawal

A bidder may withdraw their bid up to the date and time specified for bid closing. Such a withdrawal must be completed in writing or facsimile, with attention to the HQ SACT Contracting Officer.

15. Bid Evaluation

- (a) The evaluation of bids and determination as to the responsiveness and technical adequacy or technical compliance, of the products or services requested, shall be the responsibility of HQ SACT. Such determinations shall be consistent with the evaluation criteria specified in the IFIB. HQ SACT is not responsible for any content that is not clearly identified in any proposal package.
- (b) Due to the highly technical nature of this requirement, HQ SACT reserves the right conduct pre-award discussions with proposed key personnel to accurately assess identified technical competencies. Discussions will be limited to scope of this IFIB and the evaluation criteria identified in Annex A.
- (c) Proposals shall be evaluated and awarded based on best overall value to

IFIB-ACT-SACT-24-28

NATO. The following factors are considerations;

- Successful administrative submission of bid packages and requested documents.
- Compliance with mandatory criteria identified on Annex A (Compliant / Non-Compliant)
- Technical factors / pricing factors rated the following: Technical / Price = 70/30.
- Acceptance of HQ SACT General Terms and Conditions.

16. Proposal Clarifications

During the entire evaluation process HQ SACT reserves the right to discuss any bid with the order to clarify what is offered and interpretation of language within the bid, to resolve in potential areas of non-compliance.

17. Award

HQ SACT intends to award no more than eight firm-fixed price contract(s) to the Offeror(s) whose proposal(s) represents the best overall value to NATO.

HQ SACT will collect information from references provided by the Offeror in regard to its past performance. Contractors must provide authorization to contact references.

HQ SACT reserves the right to negotiate minor deviations to the listed General and Special Terms and Conditions to this IFIB.

18. Communications

All communication related to this IFIB, between a prospective bidder and HQ SACT shall only be through the nominated HQ SACT Contracting Officer. Designated contracting staff shall assist the HQ SACT Contracting Officer in the administrative process. There shall be no contact with other HQ SACT personnel in regards to this IFIB. Such adherence shall ensure Fair and Open Competition with equal consideration and competitive footing leverage to all interested parties.

19. Organizational Conflict of Interest

Organizational conflicts of interest may occur when factors create an actual or potential conflict of interest on an instant contract, or when the nature of the work performed on the instant contract creates an actual or potential conflict of interest on a future acquisition. In the latter case, some restrictions on future activities of the contractor may result.

Contractors must implement a program to monitor, detect, and mitigate/remediate organizational conflicts of interest. While Contracting Officers retain authority to

IFIB-ACT-SACT-24-28

approve mitigation or remediation measures once organizational conflicts of interest are identified, the primary burden of detecting, identifying and disclosing organizational conflicts of interest to the contracting officer and proposing suitable mitigation or remediation measures falls on the contractor.

The two underlying principles regarding organizational conflicts of interest are: Preventing the existence of conflicting roles that might bias a contractor's judgment; and Preventing unfair competitive advantage.

An unfair competitive advantage exists where a contractor competing for award of any Federal contract possesses:

Proprietary information that was obtained from a NATO official, staff member, or NATO contractor without proper authorization; or

Information that is relevant to the contract but is not available to all competitors, where such information would assist that contractor in obtaining the contract. Contracting officers and potential bidders shall analyse planned acquisitions in order to:

Identify and evaluate potential organizational conflicts of interest as early in the acquisition process as possible; and

Avoid, neutralize, or mitigate significant potential conflicts before contract award, where possible, or post award when the organizational conflict of interest is not revealed prior to award.

The contracting officer shall award the contract to the apparent successful offeror unless a conflict of interest is determined to exist that cannot be avoided or mitigated. Before determining to withhold award based on conflict of interest considerations, the contracting officer shall notify the contractor, provide the reasons therefor, and allow the contractor a reasonable opportunity to respond. If the contracting officer finds that it is in the best interest of NATO to award the contract notwithstanding a conflict of interest, the Contracting Officer will issue a waiver and disclose the award and the existence of the organizational conflict of interest to the Financial Controller. The waiver request and decision shall be included in the contract file.

Obligations of the Parties.

When a Contractor or Prospective Contractor becomes aware of the existence or potential for an organizational conflict of interest, the Contractor is obligated to disclose the existence, nature, and supporting evidence of the conflict. Contractors

or Prospective Contractors will be deemed to be aware of the existence or potential for an organizational conflict of interest when the Contractor or Prospective Contractor actually knows or reasonably should know of the existence of the actual or potential organizational conflict of interest.

If the Contracting Officer becomes reasonably aware that the award of a contract will restrict the contractor's eligibility for future contract work, the Contracting Officer will disclose this fact in writing to the Contractor prior to the award, where practicable, and will permit the Contractor or prospective Contractor 7 days to make an election regarding award, discontinuing performance, or submitting an OCI mitigation plan for the Contracting Officer's approval. The sufficiency of the OCI mitigation plan is in the Contracting Officer's sole discretion.

20. Point of Contact Information For Submission:

techproposal@act.nato.int – Technical Proposal Submission

priceproposal@act.nato.int – Price Proposal Submission

21. Point of Contact is:

Tonya Bonilla, ACT Contracting Officer 757-747-3575; tonya.bonilla@act.nato.int

Catherine Giglio, ACT Contracting Officer 757-747-3856; catherine.giglio@act.nato.int

Robert McMaster, Agile Contract Specialist; Robert.mcmaster@act.nato.int

IFIB-ACT-SACT-24-28

Enclosure 1 (Proposal Content / Checklist)

PROPOSAL CONTENT / CHECKLIST

Table of Contents

- ☐ Bidder's name, address, POC, Contact numbers, email address.
- ☐ Compliance Statement.
- ☐ Past Performance (including References).
- ☐ List of Key Personnel.
- ☐ Technical Proposal.
- ☐ Price Proposal.

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IFIB-ACT-SACT-24-28

Enclosure 2

COMPLIANCE STATEMENT TO SEALED BID IFIB-ACT-SACT-24-28

It is hereby stated that our company has read and understands all documentation issued as part of IFIB-ACT-SACT-24-28. Our company proposal submitted in response to the referenced solicitation is fully compliant with the provisions of IFIB-ACT-SACT-24-28 and the intended contract with the following exception(s); such exemptions are considered non-substantial to the HQ SACT solicitation provisions issued.

<u>Clause</u>	<u>Description of Minor Deviation.</u>
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If applicable, add another

page) Company: _____

Signature: _____

Name & Title: _____

Date: _____

Company Bid Reference: _____

Bidder's proposal must be based on full compliance with the terms, conditions and requirements of the IFIB and all future clarifications and/or amendments. The bidder may offer variations in specific implementation and operational details provided that the functional and performance requirements are fully satisfied. In case of conflict between the compliance statement and the detailed evidence or explanation furnished, the detailed evidence/comments shall take precedence/priority for the actual determination of compliance. Minor or non-substantial deviations may be accepted. Substantial changes shall be considered non-responsive.

This Enclosure is designed to assist the respective company provide HQ SACT with all necessary documents/information required. For clarification, please refer to Bidding instructions in part 1 of subject solicitation.

Enclosure 3 PAST PERFORMANCE INFORMATION FORM

- (a) Contracting Agency:
- (b) Contract No:
- (c) Type of Contract (Firm Fixed Price, IDIQ, Requirements):
- (d) Title of Contract:
- (e) Description of Work Performance and Relevance to Current Acquisition
(Type of facility, capacity, estimated patronage, summary of staff used):
- (f) Contract Dollar Amount:
- (g) Period of Performance:
- (h) Name, Address, Fax and Telephone No. of Reference (Contracting Officer at
the contracting agency):
- (i) Indicate Whether Reference Acted as Prime or Sub-contractor:
- (j) Comments regarding compliance with contract terms and conditions:
- (k) Complete Contact Information for client:
- (l) Permission to contact client for reference:

Yes/ No Name/Signature of Authorized

Company Official

IFIB-ACT-SACT-24-28

Enclosure 4

IFIB-ACT-SACT-24-28 SEALED BID PRICE PROPOSAL

COMPANY NAME: ***ABC, Inc***

ADDRESS: ***Street,***

CITY, POST CODE

TO: Chairman of Supreme Allied
Commander Transformation, (HQ
SACT) Contracts Award Committee.
ATTN: Ms. Tonya Bonilla
7857 Blandy Road, Suite 100
Norfolk, VA 23551

Please verify and acknowledge propriety of above, by duly
completing signatures below. Authorizing Company Official:

Printed _____ Name: _____
Position: _____ Title: _____

Authorizing Company (Signature): _____, Date: _____.

Company name Witness Official:

Printed _____ Name: _____
Position: _____ Title: _____

Witness Signature: _____

This Enclosure is designed to assist the respective company provide HQ SACT with all
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instructions in part 1 of subject solicitation.

IFIB-ACT-SACT-24-28

Enclosure 5 (Mandatory Price Proposal Format)

SEALED BID PRICE PROPOSAL

Please find on behalf of **(Company Name)** to provide HQ SACT with services (collectively referred as "ITEMS"), subject to the provisions, terms and conditions stated in IFIB ACT-SACT-24-28 and the **(Company Name)** Technical proposal", submitted in accordance with solicitation provisions.

NOTE: Proposed rates must be fully "loaded" [G&A, O/H etc.] However, in an effort to ensure fair representation for all parties, **travel costs shall not be included for contract award determination.** A travel reimbursement value will be negotiated post award for **up to a maximum 5 3-person demo team** and will be calculated IAW the NATO Financial Regulations and Bi-SC 60-1, Chapter 9, Contractor Travel.

Service Area	Preparation & Demonstration	
Demonstration of Capability	\$	
Total	\$	

Please verify and acknowledge propriety of above, by duly completing signatures below.

Authorizing Company Official:

Printed Name: _____

Position: _____

Title: _____

Authorizing Company (Signature): _____, Date: _____.

Company name Witness Official:

Printed Name: _____

Position: _____

Title: _____

Witness Signature: _____, Date _____

This Enclosure is designed to assist the respective company provide HQ SACT with all necessary documents/information required. For clarification, please refer to Bidding instructions in part 1 of subject solicitation.

Enclosure 6 (Statement of Work)

STATEMENT OF WORK (SOW) NEXGEN M&S MULTI-DOMAIN OPERATIONS (MDO) COMMON SYNTHETIC ENVIRONMENT (CSE) DEMONSTRATION

1. Introduction

The Allied Command Transformation, Joint Force Development Directorate, Modelling Simulation and Learning Technologies (MSLT) Branch was tasked to lead development of NATO NexGen M&S capability programme while looking on the emerging technologies that can become a game changer from the long term perspective.

Allied Command Transformation, NATO's Warfare Development Command, leads and drives the continuous military adaptation and transformation of the Alliance to shape and contest the environment and to keep the edge over adversaries and competitors, now and in the future.

The main objectives of ACT are: providing appropriate support to NATO missions and operations; leading NATO military transformation; and improving relationships, interaction and practical cooperation with partners, nations and international organisations. ACT therefore leads Alliance Warfare Development through undertaking concept development, capability development, training and lessons learned initiatives and provides unfettered military advice to policy development within NATO. Deputy Chief of Staff Joint Force Development (DCOS JFD) is an essential directorate dealing with the warfare development agenda.

2. Background and Scope

a. Background.

In July 2021, the Military Committee (MC) tasked the Bi-Strategic Commands (Bi-SC), with ACT in the lead, to present plans to develop the NATO Next Generation Modelling and Simulation (NexGen M&S) Capability Program.

NATO recognized the value of M&S informed analytical studies in the Bi-SC work strands and subsequent tasking of the Broader Russian Missile Challenge (BRMC) program of work. The lack of an appropriate in-house simulation capability, resulted in simulation work being outsourced to a Nation. In these cases, a complete set of simulation output is also not available. NATO acknowledged the critical nature of the results and that access to a comparable capability was essential to provide more effective, efficient operational and strategic studies. An improved M&S capability would also provide cross-functional, cross-domain benefits in supporting M&S potential areas of application.

b. Vision.

Next Generation Modelling and Simulation (NexGen M&S) addresses current shortcomings in modelling and simulation across the NATO enterprise. In certain application areas, current M&S capabilities have a singular purpose, are time consuming to configure for each use, and are limited in their ability to represent complex operational environments.

NexGen M&S envisions a data centric, web based, common digital environment that supports collaborative exercise planning and execution. The environment's modular, open systems design allows for rapid response to new requirements, model updates, and improved interoperability, in addition to correlation and alignment between planning data, and the executing simulation(s). The next generation tools need to support geographically separated commands/Nations and the complexity of NATO operations that are focused on the strategic and operational levels of war and other NATO missions. NexGen M&S envisions a data-

centric architecture that considers data as a core asset of the enterprise. Data will be seen as its own tier, independent, common across a broad range of applications, and loosely-coupled from any single application. NexGen M&S will strive for common and agreed-upon datasets to support several application areas (e.g. computer assisted exercises, operational planning, analytical studies, and wargaming). NexGen M&S places a strong emphasis on accessing, exchanging, processing, and managing data. NexGen M&S envisions web-enabled, on-demand access to tools and services for distributed users across several application areas to collaboratively plan and execute simulation. NexGen M&S envisions a Modular Open Systems Approach (MOSA), consisting of loosely-coupled and compose-able modules provided separately by a marketplace of independent vendors, and implemented according to widely accepted standards. NexGen M&S envision a common digital environment, consisting of a collection of integrated and user-friendly tools and applications presented to users as a single pane of glass, and supported by workflows to assist users with discovering, configuring, and executing simulation.

NATO has adopted Multi-Domain Operations (MDO) approach to military operations. NATO's working assumptions for MDO can be distilled into complementary parts. There are five operational domains: maritime, air, land, space, and cyberspace. Commanders orchestrate military activities across all five domains and synchronize them in collaboration with other stakeholders. Together, stakeholders create tailored options that deliver effects in three dimensions: physical, virtual, and cognitive. MDO focus on the military domain.

NexGen M&S seeks to provide modelling and simulation tools to NATO, simulating military operations across all five domains with effects in the three dimensions, for computer-assisted exercises, operational planning, operational analysis, and computer-assisted wargaming.

c. Scope

The work in this SOW consists of a demonstration of a common synthetic environment that is capable of simulating military operations across all five domains of the Multi-Domain Operations with effects in the physical, virtual, and cognitive dimensions. The evaluation will assess the suitability of the simulation to support the four application areas for NexGen M&S – computer-assisted exercises, operational planning, operational analysis, and computer-assisted wargaming.

The demonstration seeks to confirm that there is a vendor solution available for the NexGen M&S programme to satisfy the requirements for common synthetic environment capable of simulating multi-domain operations. This includes:

- Demonstrating a solution that is capable of supporting NATO computer-assisted exercises at the Joint Warfare Centre and Joint Force Training Centre.
- Demonstrating a solution that is capable of supporting operational planning at strategic, operational, and tactical level to support NATO SHAPE, NATO ACO, NATO Joint Force Commands, and NATO Force Structure command activities. Specifically, support the development of regional plans and contingency planning activities.
- Demonstrating a solution capable of supporting operational analysis studies at NATO ACT and ACO to develop strategic foresight, force structure, warfare development agenda, and future technology assessment documents.
- Demonstrating a solution for computer-assisted wargaming to support NATO ACT Audacious Wargaming activities.

The scope of the demonstration includes the following domains:

- Maritime – Modern and emerging surface and subsurface ships and weapon systems. Entities maybe at the vessel level, or the sub-system level. For example, the entities in the maritime domain may be ship with specific characteristics and capabilities, or a composition of different sensors, weapons, countermeasures, etc. Also, includes manned and unmanned maritime vessels. Simulation also enables path planning that accounts for terrain, terrain types, and line of sight.
- Land – Modern and emerging land combat systems. Entities maybe at the vehicle or soldier level, or an aggregate unit at the company level. For example, the entities could be individual tanks and soldiers with specific movement, sensor, and weapon capabilities. However, an ability to aggregate land units into company or large entities is important. Also, includes direct and indirect fire systems, manned, remotely operated, and autonomous systems. Simulation also enables path planning that accounts for terrain, terrain types, and line of sight. Last, this includes a representation of civilians.
- Air – Modern and emerging aircraft and weapon systems. Entities may be at the aircraft level or the sub-system level. For example, the entities in the air domain may be aircraft/s with specific characteristics and capabilities, or a composition of different sensors, weapons, countermeasures, etc. Simulation also enables path planning that accounts for terrain, terrain types, and line of sight. Also, includes manned, remotely piloted, and autonomous aircraft, as well as low-observable aircraft and weapon systems.
- Space – Modern and emerging space satellites and systems. Entities may be at the satellite level or the sub-system level. For example, the entities in the space domain may be aircraft with specific characteristics and capabilities, or a composition of different sensors, weapons, countermeasures, etc. Also, include emerging space delivered munitions.
- Cyberspace – Modern and emerging cyberspace capabilities. Cyberspace capabilities include networks using the electromagnetic spectrum (EMS) as well as wired networks. Specific effects include, but not limited to, jamming, spoofing, denial of service, degradation and destruction of communication nodes.

The scope of the demonstration includes the following dimensions:

- Physical – This is the most straightforward dimension for the simulation. This includes the representation of the entities in the simulation in the land, air, maritime, and space domains.
- Virtual – Includes cyberspace and information. Examples include electronic warfare, disruption, and command/control of semi-autonomous and autonomous systems.
- Cognitive – Also known as a social domain, it is centered around human decision making. In simulation this includes ‘will to fight’, and group behaviours in civilians.

Description of the NexGen M&S application areas and unique requirements:

- Computer-Assisted Exercises.
 - Ability to support division and corps-level exercises that include land task forces, maritime task forces, air force squadrons, space assets, and cyberspace effects.

- Ability to collect simulation data from the execution to support the development and delivery of an after action review (AAR). NexGen M&S should enable data storage in non-proprietary formats for after action reporting.
- Ability to import order of battle information.
- Ability to connect to NATO C2 systems. For the demonstration, it is sufficient to describe how this would be done, without the need to demonstrate the capability.
- Ability to run the simulation 10 times, or more, faster than real time.
- Operational Planning
 - Ability to import current order of battle information
 - Ability to collect simulation data to support course of action comparison for operational and contingency operations.
 - Ability to provide visualisation at the operational and strategic level such as military conflict, crises, and operational plans being simulated.
 - Ability to allow users to configure a simulation with varying courses of action within operational timescales
- Operational Analysis
 - Ability to retain results and simulation data of interest to analysts.
 - Ability to provide for analysts to conduct analysis
 - Ability to visualize simulation data.
- Computer-Assisted Wargaming.
 - Ability to allow planners to routinely wargame and test concepts, plans, and courses of action
 - Ability to run the simulation 10 times, or more, faster than real time.
 - Ability to enable wargamers to successfully complete post game analysis tasks
 - Ability to perform and report force-on-force calculations in support of wargame adjudication.
 - Ability to enable wargamers to successfully complete post game analysis tasks
 - Ability to provide visualizations to support wargame adjudication.
 - Ability to enable wargamers to complete their simulation-related tasks without significant interruptions, such as supervision or workarounds.

The demonstration will take place on one day, **between 08 July and 19 July 2024**. The vendor will be given access to the demonstration room the day prior to the evaluation for set-up, testing, rehearsal, etc. The evaluation day will begin with the vendor giving an

approximately 90 minute overview of the vendor's common synthetic environment simulation solution and answer questions. This will be followed by the vendor giving a demonstration of the solution as it applies to the four-application area requirements listed below. Additionally, the vendor may demonstrate solutions that go beyond the stated requirements that may be of interest to NATO to achieve the stated vision above. During the demonstration, evaluators will ask questions for clarification of the demonstration.

The purpose of the demonstration is to consider vendor off-the-shelf solutions to meet NATO needs for the NexGen M&S. The expectation is the vendor is able to use their own scenarios they have built for their own development for this demonstration. Therefore, no specific scenario is prescribed. However for vendor preparation purposes the following suggestions are provided and highly encouraged:

- **Terrain** – It is suggested to use European terrain that roughly includes terrain West to Portugal, East to include Turkiye, South to include Italy, North to include Norway. Examining a smaller area to highlight capabilities is expected.
- **Weather** – It is suggested to demonstrate an ability to adjust the weather conditions to meet the needs of the event.
- **Entities** – It is suggested to include many land, air, maritime units as well as a few satellites and space based systems. Also include cyberspace representations that may include communication towers, wired communications. It is suggested to demonstrate emerging and future capabilities such as low-observable aircraft, hyper-sonic weapons, autonomous and semi-autonomous systems, decoys, etc.
- **Time** – It is suggested to show an ability to run faster than real time.
- **Adjudication** – It is strongly suggested to show adjudication of interactions between entities in different domains. For example, land units engage air units, maritime units engage land units, cyber capabilities use space assets.

3. Type of Contract and Period of Performance

- a. Type of Contract:** Firm Fixed Price Deliverables Contract
- b. Period of Performance.** Award – 19 July 2024

4. Tasking and Deliverables

- a.** Provide a 90-minute presentation of the vendor's solution and ability to meet the needs of NexGen M&S application areas of computer-assisted exercises, operational planning, operational analysis, and computer-assisted wargaming. This includes a brief question and answer period.
- b.** Provide a demonstration of the vendor's solution within a vendor created vignette highlighting the ability to simulate military operations across all 5 domains.

5. Schedule of Delivery

- a.** 1-day set-up and 1 day demo between 08 JULY to 19 JULY 2024.
- b.** Date to be determined after selection.

6. Contractor Performance Requirements and Reporting

The COTR shall be assigned by the Contracting Officer. The COTR shall provide direction, guidance, and support information as needed for all technical and content areas of the SOW.

The COTR shall:

- a) Resolve outstanding disputes, problems, deficiencies, and/or questions on the technical aspects of the SOW.
- b) Review (and approve) all Contractor duties for completeness and accuracy.
- c) Review the Contractor's work at a minimum of monthly, or more often if needed.

The COTR's written approval of work reported and deliverables submitted is mandatory for Contractor invoices to be successfully processed. The COTR shall receive a letter of appointment from the Contracting Officer that describes in detail his roles and responsibilities to which he shall sign formal acceptance.

7. Proof of Past Performance

The contractor is to provide a minimum of two past performance citations (for work within the past five years) to show that it has successfully completed work that is similar to or directly traceable to the requirements outlined in this SOW.

The contractor must have a license of the simulation system to be used in the demonstration.

8. Place of Performance

Preparation is expected to take place at Contractors facility. The demonstration shall take place in Norfolk, Virginia or vicinity.

9. Required Travel for Personnel Service Contracts

Travel costs shall not be included for contract award determination. A travel reimbursement value will be negotiated post award for up to a maximum 3-person demo team.

10. Furnished Materials and Services

- a. **NATO Supplied:** Facility for the demonstration in Norfolk to include tables, chairs, power supply (110v), projector, and screen.
- b. **Contractor Supplied:** Computer(s) and any handouts desired for the demonstration and evaluation.

11. Physical Security

Contractors do not require security clearances. All work and demonstrations must be unclassified.

12. Security Consideration for the Deliverables

All work supporting the development of the demonstration will be unclassified. The deliverables will not contain any sensitive information, will not be classified and, therefore, will not bear any classification markings.

IFIB-ACT-SACT-24-28

ANNEX A B: Grading Matrix

Best Value Grading Matrix to STATEMENT OF WORK

Contractor technical proposal will be assessed based on criteria mentioned in the following table. HQ SACT reserves the right to conduct technical discussions with contractor. Ultimately, companies shall clearly demonstrate by providing unequivocal explanation to where and how it meets the criteria set forth in this solicitation. The Contractor must demonstrate their experience and expertise in the subject matter, in which will be graded in accordance with the Grading Matrix.

SER	ITEM	COMPLIANT	NOT COMPLIANT
1	The contractor is headquartered in one of the NATO Countries with proposed candidates that are citizens of and resident in NATO nations. (Nationality must be provided and any secondary or dual citizenships clearly specified).		
2	The contractor is to provide a minimum of two past performance citations (for work within the past five years) to show that it has successfully completed work that is similar to or directly traceable to the requirements outlined in this SOW.		
3	The contractor has a license of the simulation system to be used in the demonstration.		
SER	CRITERIA	RANGE ¹	SCORE COMPLIANT (Out of 100 pts) ⁵
1	Maritime Domain	0 points – not simulated 1-3 points – domain simulated 4-7 points – domain is integrated with other domains 8-10 points – domain integrated with other domains and includes emerging/future capabilities	
2	Land Domain	0 points – not simulated 1-3 points – domain simulated 4-7 points – domain is integrated with other domains 8-10 points – domain integrated with other domains and includes emerging/future capabilities	

¹ A score of “0” in any of the criteria categories will result in the bidder’s proposal as being “Technically Non-Compliant.”

⁵ A minimum total score of 51 is required to adequately meet the requirement for this solicitation. A proposal with a minimum total score of less than 51 will be graded as “Technically Non-Compliant.”

IFIB-ACT-SACT-24-28

3	Air Domain	0 points – not simulated 1-3 points – domain simulated 4-7 points – domain is integrated with other domains 8-10 points – domain integrated with other domains and includes emerging/future capabilities	
4	Space Domain	0 points – not simulated 1-3 points – domain simulated 4-7 points – domain is integrated with other domains 8-10 points – domain integrated with other domains and includes emerging/future capabilities	
5	Cyberspace Domain	0 points – not simulated 1-3 points – domain simulated 4-7 points – domain is integrated with other domains 8-10 points – domain integrated with other domains and includes emerging/future capabilities	
6	Virtual Dimension	0 points – not covered 1-2 points – limited coverage 3-5 points – dimension is integrated with other dimensions	
7	Cognitive Dimension	0 points – not covered 1-2 points – limited coverage 3-5 points – dimension is integrated with other dimensions	
8	Application Area - Computer-Assisted Exercises	0 points – not able to support 1-5 points – limited support 6-7 points – mostly support 8-10 points – fully support	
9	Application Area - Operational Planning	0 points – not able to support 1-5 points – limited support 6-7 points – mostly support 8-10 points – fully support	
10	Application Area - Operational Analysis	0 points – not able to support 1-5 points – limited support 6-7 points – mostly support 8-10 points – fully support	
11	Application Area - Computer-Assisted Wargames	0 points – not able to support 1-5 points – limited support 6-7 points – mostly support 8-10 points – fully support	
	Max score: 100 points		

Terms and Conditions

HQ SACT General Terms & Conditions dated 13 March 2024 apply to this contract and can be reviewed at www.act.nato.int/contracting under *Contractor Information*.