

PART III - SECTION B – STATEMENT OF WORK

IFB-ACT-JWC-18-56

(CONTRACT NO.: IFIB-ACT-JWC-18-56)

**GEOSPATIAL DELIVERABLE SUPPORT CONTRACT (GDSC)
Geospatial Capability**

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Chapter 1 Introduction

1.1. Scope and General Requirements

- 1.1.1. This document specifies the products and corresponding delivery timelines in support of the Joint Warfare Centre's (JWC) NATO high priority exercises, reflected in JWC's Program of Work (POW). JWC's mission is to deliver high value exercises to NATO Command Structure and Force Structure entities and organizations in accordance with direction and guidance received from Allied Command Transformation (ACT) as well as SACEUR's Annual Guidance for Exercises (SAGE) and the Military Training Evaluation Plan (MTEP), hereafter referred to as the 'Guidance Documents'. In order to meet these evolving requirements, JWC must develop and deliver a comprehensive pool of settings and exercise scenarios on a continuous basis. This, depending on the scale and scope of the respective project, typically requires a lead time of between 18 and 36 months.
- 1.1.2. NATO's shift to a 360 degree strategic awareness posture, as reflected in the guidance documents, brings with it a renewed emphasis on the dynamic and unpredictable nature of future operations. NATO's core tasks are collective defence, crises management, and cooperative security. Training and exercising these core tasks requires JWC to remain current with the human and technical expertise across all domains in the comprehensive approach. JWC realizes that military means and resources, although essential, are not enough on their own to successfully meet NATO's setting and scenario requirements.
- 1.1.3. The Geospatial Deliverable Support Contract (GDSC) is designed to establish the conditions that enable JWC to develop deliver and maintain up-to-date geospatial products, data and services necessary to meet all requirements levied in the guidance documents. The GDSC contract is an integral part of JWC's production strategy that enables mission accomplishment by integrating deliverables from trusted non-military providers and the military/exercise management expertise that is resident at JWC.
- 1.1.4. In launching the GDSC contract, JWC is adopting the Just in Time (JIT) approach to obtaining essential technical expertise and support from non-military providers. The key characteristic of the GDSC concept puts special emphasis on close and active communication channels between JWC and provider, critical to efficient production. With Geo expertise and capabilities managing the on-site production of Geospatial Information (GI) and in addition provide responsive

access to a wide range of expertise, to provide both on and off-site support, commensurate with the described requirements.

1.2. JWC Organizational Description

1.2.1. JWC employs a matrix-management organizational structure with staff Directorates and Divisions comprising the vertical component, and multi-year Exercise programs, led by Program Directors, providing the lateral component. By managing the multi-year Exercise programs, the Program Directors coordinate JWC's contribution and support to NATO's exercise and training program. Ad hoc project teams may also be assembled when necessary to carry out specific niche, emergent, or urgent tasks.

1.2.2. The Exercise, Training, and Innovation Directorate (ET&I) coordinates, manages, and delivers JWC's exercise planning, production, and delivery as well as the support to transformational activities. Within ET&I, the Production Division's Scenario Branch is responsible for:

- Managing scenario support.
- Planning, coordinating, and controlling scenario content development and delivery.
- Developing scenario content, documentation, data, and information in support of exercise (specific) aims and training objectives, to include necessary refinements and adjustments induced by the routine exercise process as well as by changes to the requirement profile emanating from the TA or higher HQs – up to the development of completely new (geo-strategic) settings and their subsequent scenarios.
- Supporting exercise delivery by disseminating scenario content to the relevant target audiences in synchronization with the exercise process steps and required products, providing scenario and subject-matter-expert (SME) related advice to the relevant target audiences throughout the whole exercise process and supporting the exercise execution (primarily during phases II and III) by augmenting (e.g.) EXCON manning within respective functional areas / SME.

1.2.3. In general, the provider will be required to develop, produce, deliver, and maintain GI to support new settings and scenarios¹, and update / review and maintain existing settings and scenarios², to include necessary consultation that complements and supports the work carried out by JWC's Scenario Branch. The ambition is to leverage

¹ In this context, a "Scenario" is defined as the combination of a setting with one or multiple corresponding sub-settings in support of a specific exercise or exercise series.

² See Footnote 1

professional, forward-thinking Provider(s) with the ability to bring creativity, novel design thinking and industry best practices to JWC's business functions of designing, developing, and delivering exercise settings and scenarios³, as well as directly supporting the delivery of NATO's Major Joint Exercise Program.

1.3. Project specific parameters

- 1.3.1. The main parameters for the GI Capabilities have been defined through a series of documents:
- Military Committee Message (MCM) 0181-2015 on the “Future Development of NATO Exercises” of 2015;
 - “SACEUR’s Annual Guidance(s) on Education, Training, Exercises, and Evaluation (SAGE)” 2020, including applicable amendments;
 - COM JWC’s Scenario Development Plan, as described in staff order JWC COS 18 / -INT-1068.
- 1.3.2. JWC will develop and deliver a seamless and complete GI Database in order to enable a fictitious world consisting of a combination of seamless settings, as follows:
- 1.3.3. The OCCASUS setting and its corresponding Geo-Strategic vectors and scenarios. OCCASUS as a setting is currently arranged based on Geo-Strategic vectors (sub-settings) as follows:
- OCCASUS-N, covering the High North, North European, and Baltic Regions;
 - OCCASUS-S, covering the Western Balkan (Hungary, Romania, and Bulgaria) and Caucasus (Armenia, Azerbaijan, and Georgia) Regions, including the Black Sea;
 - OCCASUS-C, covering the Baltic, Central (Poland, Slovakia, and Hungary), and Western Balkan Regions.
- Common to all sub-settings is the inclusion of the North Atlantic Ocean and remaining continental Europe.
- 1.3.4. The FIKSO setting and its corresponding Geo-Strategic vectors and scenarios. FIKSO as a setting is currently arranged based on Geo-Strategic vectors (sub-settings) as follows:
- Mediterranean;
 - Middle East;
 - North Africa;
 - Central Africa;
 - The Baltics, Central (Poland, Slovakia, and Hungary), and Western Balkan Regions.
 - Generation and incorporation of a fictitious mega city;

³ See Footnote 1

- 1.3.5. The SKOLKAN setting and its corresponding Geo-Strategic vectors and scenarios. SKOLKAN as a setting is currently arranged based on the High North, North European, and Baltic Regions.
- 1.3.6. The setting, sub-settings, and Geo-strategic segments need to be developed in a way that enables their free combination, thus creating a scenario as the combination of a setting with one or multiple corresponding sub-settings in support of a specific exercise or exercise series. Regardless of source, a significant amount of effort is expended to process GI into NATO standard formats that can be both used by NFS and ingested by Functional Area Systems (FASs).

Chapter 2 Contractual Framework Conditions

2.1 Type of Contract and Period of Performance

- 2.1.1. Type of Contract. This is a Firm Fixed Price Deliverables Contract in accordance with the General Terms and Conditions; all employer responsibilities for the Provider Personnel performing under this Contract shall lie with the Provider.
- 2.1.2. Period of Performance. The contract period shall be effective from 01.04.2020 until 31.12.2021 (multi-year base period) and includes:
- 2.1.2.1. Support and augment the JWC PE staff;
- 2.1.2.2. Develop and deliver a seamless and complete GI Database for a fictitious world, which encompasses the prioritised NATO AOI;
- 2.1.2.3. Manage, store and present a comprehensive GI dataset in a rigorous, coherent and standardised way, adhering to relevant NATO-standards;
- 2.1.2.4. Validate, store, protect, and process acquired and produced Geo data to ensure the accessibility, reliability, and timeliness of GI provision;
- 2.1.2.5. Refinement of the existing OCCASUS GI in order to integrate new SOUTH and CENTRAL sub-settings;
- 2.1.2.6. Review and refinement of the existing OCCASUS-N sub-setting;
- 2.1.2.7. Develop and deliver OCCASUS SOUTH and CENTRAL sub-settings;
- 2.1.2.8. Continue to develop and deliver FIKSO sub-settings;
- 2.1.2.9. Review and maintain SKOLKAN setting;
- 2.1.2.10. Deliver pertinent products throughout all phases of the exercise processes.
- 2.1.3. Option Periods. Two (2) potential one (1) calendar-year extension option periods are available with this contract. Available options shall be exercised at the sole discretion of the JWC Contracting Officer and shall be confirmed in writing 60 days prior to expiration of the current year of performance. Execution of the option period is contingent upon available funding, satisfactory provider work performance, and on-going/ evolving work requirements.
- 2.1.4. For the duration of the project, two (2) option periods have been identified:
- Base Period 01 Apr 2020 - 31 Dec 2021
 - Opt. Year 1 01 Jan 2022 - 31 Dec 2022
 - Opt. Year 2 01 Jan 2023 - 31 Dec 2023

2.2 Places of Work

- 2.2.1. JWC places a high value on being able to benefit from a broad spectrum of expertise both on-site and off-site from the Provider's network in order to help ensure the quality and completeness of the products developed and delivered. In line with the best practices

developed over the past, the JWC PE staff is accustomed to conducting a wide variety of business through remote collaborative work with colleagues mainly in Europe as well as, to a limited extent, in North America. These two tenets underpin the intended approach to the places of work for the Provider. In developing and delivering products under the GDSC contract, the places of work are summarized as follows:

- 2.2.1.1. JWC NATO SECRET and NATO UNCLASSIFIED facilities, including NATO provided GIS suite (CoreGIS). The majority of the production and presentation requirement is to be fulfilled at NATO SECRET;
 - 2.2.1.2. Provider Facilities (as required), including provider internal “home office” arrangements;
 - 2.2.1.3. Other NATO or National HQs, Technical Centres;
 - 2.2.1.4. Partnership for Peace Nations;
 - 2.2.1.5. Field / Exercise Locations.
- 2.2.2. Travel:
- 2.2.2.1. Provider Travel: Any travel which is solely determined by the Provider to ensure a successful provision of a deliverable. Estimated Provider travel costs will be a consideration for contract award and should be a factor in the price proposal. This includes all regular travel associated for GDMI position and additional on-site presence requested in Annex A to this Part of the IFIB.
 - 2.2.2.2. Tasked Travel: It is anticipated that the Provider may occasionally be tasked to travel in support of this contract, both within and outside NATO Alliance member nations’ boundaries. Because these travel tasks cannot be forecasted at this time, anticipated flight costs are not to be included on the C-2 bidding form. The fixed rate offered per work unit will be utilized to establish a separate purchase order for the tasked travel. The work unit rate on-site and off-site should include all costs associated with tasked travel (labour rate, per diem, accommodation, etc.), but not flight costs. The on-site rate is for tasked travel to the Joint Warfare Centre, Norway. The off-site rate is for remote work.
 - 2.2.2.3. For tasked travel, the supplier has the choice either to utilize the JWC local travel agency for booking the flight arrangements in which the local travel agency will pay for the flight ticket and the contractor will not be reimbursed for the flight costs or the supplier may ask for the cost the JWC local travel agency would have paid for the ticket and the contractor may be authorized self-arrangement re-imburement up to that amount. This is for economy flight tickets only.

2.3. Qualification Criteria

- 2.3.1. As a further guide to the specialized nature of GDSC contract work and the significant levels of skills and experience necessary to meet JWC's requirements, a set of basic Key Capability Criteria is described at the following paragraphs and summarized Annex A-7 to Part I of this IFIB. These criteria should be considered an initial baseline set, providing guidance on benchmark standards expected of the Provider for the development and delivery of products for JWC. As required, more specific criteria, further profiling the overall requirement may be added. In addition, during the anticipated life of the contract, new requirements may warrant development of further quality control measures to enable the fulfilment of deliverables. In such cases, the new measure(s) shall be developed and agreed by the Provider, the COTR, and the Contracts Officer; and incorporated by formal contract modification. Geospatial Deliverable Outputs (GDO) and project-specific criteria will be further defined within the Technical Compliance Assessment (Annex B-1 to Part I of this IFIB) and – if required – through the corresponding statements of work.
- 2.3.2. The guidance given below is intended to help ensure a common understanding of the nature of work to be carried out in developing and delivering products, and to contribute to meeting the quality assurance expectations of JWC.

Chapter 3 Deliverables

This part outlines the desired Provider's effort and outputs necessary to accomplish JWC's level of ambition for the GI project. Deliverables, within the context of this document, are categorized as follows:

3.1. Geospatial Deliverable Outputs (GDO) Delivery Management Interface (GDMI).

3.1.1. GDO Delivery Management Interface describes the framework and necessary interface(s) through which the Company providing the workforce / capability ("Provider") is enabled to deliver supporting products within the respective GDOs in a timely manner and to a standard suited to seamless integration with the work of the JWC. The GDO delivery management function will serve as the platform for the delivery of products, capability and best practices to JWC.

3.1.2. The GDO management function will continuously interface with the COTR GI project for overall contract performance/schedule and contract reporting. This function shall be conducted at JWC, requiring a permanent presence of the representative with a (planning) average of 5 work-units⁴ / week for a minimum of 48 weeks per year.

3.1.3. Success in delivery of the GDO management function will necessitate an effective and efficient interface and rely on multiple quality factors including, but not limited to, the following:

3.1.3.1. Provider and COTR are able to:

- access and interact via the suitable management function during JWC normal working hours;
- maintain a daily common operating picture including priorities, quality, scope, progress towards completion of Deliverables, and overall schedule;
- maintain a monthly common operating picture of contract achievements, completed deliverables, and programmed deliverables in the months ahead.

3.1.3.2. Provider is able to provide continuous representation, which shall have an expert knowledge of and experience within the respective subject matter area of expertise (Geospatial Content Thread) and be mandated to:

- coordinate project specific production and delivery on behalf of the provider;
- contribute directly to GDO-relevant development and delivery activities as the GDO lead, with sufficient support (on-site, off-site or on call) to cover the required competence as described in Para. 3.3 of this Chapter;

⁴ Equivalent to a man-day.

- following receipt of the draft production & delivery forecast from the COTR facilitate the shaping of an emergent project deliverable in no more than 10 working days;
- provide timely and temporary limited resource related replacements / surge capability in response to emerging circumstances.

3.2. Communication and Network.

- 3.2.1. It is expected that in conjunction with the GDMI, the majority of production work will be conducted on-site. However, the Provider shall ensure that contract team members working off-site are both accessible to JWC via telephone and e-mail and able to contribute effectively to the development and delivery of the JWC Geo capability.
- 3.2.2. The Provider shall ensure that off-site staff will be capable of participating in GI production including workflows which incorporate off-site production, cross domain data exchange and client or third party hosted web conferences and of hosting such conferences.

3.3. (Technical) competence in Identified GDOs.

- 3.3.1. As a NATO entity, JWC comprises military and civilian Peacetime Establishment (PE) personnel drawn from the 29 Nations of the Alliance; this PE may further be complemented by contributions from Partnership for Peace (PfP) Nations and other allies. Hence, intrinsically, JWC is a multinational/multicultural workplace in which the staff maintains very high standards of integrity, impartiality, loyalty, accountability, and professionalism. The Provider shall have a documented performance record in working successfully in multinational/ multicultural settings within NATO Training and Exercise Functional environment and a NATO Geospatial environment, critically using core-GIS associated applications including ESRI GIS.
- 3.3.2. The Provider shall have a demonstrated ability to deliver high quality products that can offer tangible benefits to the setting and scenario support process within JWC's portfolio. The Provider shall have a record of evident technical competence pertinent to the GDOs identified in the following paragraphs and have the ability to provide continuous representation in JWC.
- 3.3.3. Deliverables in support of the development and delivery of GI, which provided the foundation for setting, sub-settings, and scenarios are functionally grouped in the following GDOs:
- 3.3.3.1. Deliver effective and efficient content development, delivery and exercise execution support as follows:

- NATO standard Digital Geospatial Information (DGI) to support NCS, NFS and JWC staff, training audiences and exercises and GI databases to support exercise execution and scenario development;
- Management of NATO Strategic & Operational GI on core-Geospatial Information System (GIS) servers, incl the provision of web map services (WMS) to support of NCS, NFS and JWC staff;
- Develop and deliver workflow, processes and tools to support effective and efficient delivery of products (i.e. scripting or algorithm development).
- Consultation (advice and guidance) on Geospatial Matters, GI management and web services.

3.4. Setting and scenario related products and consultation

- 3.4.1. "Products" in the context of this contract include physically tangible objects such as maps, documents, briefings / presentations, databases, etc. In general, they have to be complete, stand-alone, and provide the required depth and scope of information in accordance with the direction and guidance of the Chief Geospatial Officer / Chief Scenario.
- 3.4.2. "Consultation" is defined as the provision of advice and assistance to JWC (ODE), OSE, and OCE staffs as well as respective training audiences on GI / GDO, throughout all exercises phases. In order to maintain project-wide cohesion and continuity of messaging, the information flow within the consultation portfolio is coordinated by the Chief Geospatial Officer.
- 3.4.3. Products are due as per the project-specific delivery forecast for each product/set of products, unless the COTR (Chief Geospatial Officer) for a scenario / exercise specific project specifies otherwise.
- 3.4.4. The Chief Geospatial Officer in JWC may specify alternative formats or copies for a project (e.g. as required through the application of specific functional area services) in addition to the NATO-accredited, standards.
- 3.4.5. The delivery of products includes the timely submission of at least one draft, which JWC will review, accept, or comment on. Following JWC review and comment on the product, the provider shall incorporate JWC input. Due to the complexity of some of the products, a graduated delivery in identified packages might be agreed between the COTR and the Provider.
- 3.4.6. The Provider shall analyse and identify issues, and formulate and provide courses of action for issue resolution. In performing this contract, the Provider will be required to deliver products into JWC's matrix management structure; although the COTR as Chief Geospatial Officer is part of the vertical matrix line, the Provider will primarily be

developing and delivering products in support of scenario / exercise specific programs and projects, represented by the delegated project manager.

- 3.4.7. The Provider shall be responsive to evolving requirements that may necessitate adjusting the quality control measures. The COTR and Contracting Officer shall address these changes in a formal review and reach agreement at intervals of not more than six months. All agreed changes will be incorporated by formal contract modification.
- 3.4.8. GDSC contract products shall contribute in part, not fully, to JWC programs. In addition to the contributions made by the GDSC provider and NATO staff, JWC reserves the right to obtain contractual support from sources other than GDSC where to do so is in the best interests of the Alliance. If required and deemed appropriate to provide a satisfactory deliverable, the Provider may be required to collaborate with other providers.
- 3.4.9. The following list provides an overview of anticipated key functional capabilities/deliverables that may be ordered within the portfolio of GDSC. Further details, incl. supported/supporting relations between GDOs with regards to the production, validation, processing, storage, dissemination and visualisation of GI will be provided at the bidders conference based on the Capabilities/Deliverables requirements contained in Annex A:
- 3.4.9.1. Geospatial Deliverable Output (GDO) 1: **Geospatial Information Production:**
- Integrated management of GI production, including external to JWC production;
 - Data acquisition in coordination with SHAPE GEO Support Branch;
 - Providers must have shown the capability to develop and deliver products (deliverables) using Standard Automated Data Processing (ADP), Word Processing, Spreadsheets, Graphics presentations and Databases. To include:
 - Analysis and provision of (hard and soft-copy) geospatial products;
 - Vector data processing and modelling in accordance with relevant NATO-standards, maintenance of scenario specific metadata;
 - Raster data processing and modelling in accordance with relevant NATO-standards,
 - Maintenance of scenario specific metadata;
 - Provide alternative formats as per project-specific delivery forecasts for each setting/scenario as agreed beforehand by the COTR;
 - Deliver and manage the GI Quality Control & Quality Assurance process, for all exercise GI;

- Dissemination of scenario content to the Training Audiences in synchronization with the exercise process and milestone-plan and required products.
- 3.4.9.2. GDO 2: **Geospatial Information Management:**
- Validation, storage, protection, and processing of acquired and produced Geo data to ensure the accessibility, reliability, and timeliness of GI provision.
 - Provision and maintenance of core GIS and geospatial web-services to Functional Areas Systems e.g. LOGFAS, TOPFAS, JTS, INTEL FS.
 - Set-up, operation and maintenance of core GIS and geospatial web-services and applications (e.g. iGeoSit) for viewing geospatial reference data.
 - Processing of data release requests and delivery of data to entitled entities.
- 3.4.9.3. GDO 3: **Geospatial Transformation & Innovation:**
- Design, develop and demonstrate innovative solutions to improve GI delivery.
 - Test and evaluate, in an exercise environment, innovative solutions to deliver geospatially referenced data.
 - Contribute to the development and delivery of transformational Geo capabilities, including visions, roadmaps and standards.
 - Support and host transformative and innovative Geo activity.
 - SME advice on core GIS and JWC provisioned geospatial services.
- 3.4.9.4. GDO 4: **Geospatial SME Consultation (Advice & Guidance).**
- Provision of scenario and subject-matter-expert (SME) related advice to the relevant staff and training audiences throughout the whole exercise process.
 - Functional Geo support to EXCON during Phase 3B and MEL/MIL Scripting.
 - SME advice on core GIS compliancy and JWC provisioned geospatial web-services.

3.5. Functional presence.

- 3.5.1. The Provider will be required to provide an on-site, functional presence in order to deliver the Management Interface element of the GDSC. In order to enable an immediate, competent, and focused capability to related, short-notice requirements, the Provider will be required to provide an on-site, functional presence of GDO-specific SMEs. This includes an on-site Management Interface, baseline GI production, GI management and innovation requirement as specified in Capabilities/Deliverables & Work Allocation (Annex A to this Part of the IFIB).

- 3.5.2. During specified stages and phases of the GI production, transformation and exercise processes, the GDSC supports the JWC by providing Geospatial SQEP related advice to the relevant target audiences and by augmenting the JWC PE staff (e.g. functional support to main planning events). There is a requirement to provide a surge capability with a pre-agreed notice period for geospatial production and transformation/innovation activities.
- 3.5.3. In addition to this, there is a requirement for specialist capabilities beyond the Geospatial SQEP baseline. These should include technically focused capabilities, such as, but not exclusively, the following:
- 3.5.3.1. Software development;
 - 3.5.3.2. Scripting;
 - 3.5.3.3. Data science;
 - 3.5.3.4. Web development;
 - 3.5.3.5. Data visualization;
 - 3.5.3.6. Test & evaluation;
 - 3.5.3.7. Agile solution development team skills.
- 3.5.4. These capabilities may be provided in a number of ways, which include: via individuals already on-site, individuals who provide ad-hoc on-site support or individuals who provide SME support to on-site staff for a wider remit of capabilities.

3.6. NATO Security Classification.

- 3.6.1. Generally, most elements of JWC's settings, scenarios, and exercises, including the related GI products are classified as NATO UNCLASSIFIED, whereas selected elements (e.g. Comprehensive Operational Planning, Targeting) and the respective products may be classified up to NATO SECRET. In addition, the majority of work at NATO / military installations requires access to NATO Class II security areas as well as to classified CIS systems and hardware.
- 3.6.2. The JWC GI Server and production software are hosted at NATO SECRET and therefore it is expected that all GI data will be stored at and a significant portion of the GI production will be conducted at NATO SECRET.
- 3.6.3. In order to enable providers to operate within and successfully integrate into the JWC working environment, the respective provider's staff and representatives are required to be formally cleared up to (and including) NATO SECRET. While JWC will provide an annually updated security briefing to the provider, it remains a provider's responsibility to ensure employees' awareness of the updates.
- 3.6.4. Elements of GI production may be generated at NATO UNCLASSIFIED but would need to be integrated back into the NATO Secret data set.

3.6.5. It is accepted that remote workers may not be formally cleared to NATO SECRET and be able to operate from an external location. The identification of the most efficient place of work is dependent on the respective specifics of the deliverable(s), the supported project, and its respective development / execution phase. This statement of work will identify the capabilities required to deliver the Geospatial outputs. The location of staff (on-site and off-site support), may be split appropriately between deliverables. This split must be clearly outlined in any proposal.

3.7. Capabilities, Tasking and Production

- 3.7.1. JWC Scenario Branch's overarching agenda is primarily driven by a multi-year projected program of work, reflecting parameters and direction from various sources, such as ACT's scenario development plan, SAGE, MTEP, as well as the ensuing exercise-specific project plans. Thus, while most aspects of the GI annual production program may be forecasted with a good degree of certainty, some parts of a program will naturally evolve in increments as previously unknown factors materialize. This aspect of change is an enduring characteristic of JWC's operating environment which must be accounted for in the design and operation of the GDSC Contract. Capabilities that address requirements known to JWC are summarized in Annex A.
- 3.7.2. These capabilities, which enable single or sets of multiple deliverables support the delivery of GI products and requirements. The Provider may provide these capabilities in a combination of ways in order to deliver the most effective service. Capabilities should therefore be delivered via a combination of the following mechanisms:
- 3.7.2.1. On-Site Capabilities – utilising NATO SECRET Geospatial production environment,
 - 3.7.2.2. Off-Site Capabilities – utilising Providers facilities,
 - 3.7.2.3. Specialist Capabilities – to deliver capabilities, which enable the GDSC, these may be either on-site or off-site,
 - 3.7.2.4. Surge Capability – The surge capability requirement is included in order for JWC to have a contract vehicle in place to deliver a temporary increase in Geospatial support in response to unforeseen circumstances.
 - 3.7.2.4.1. Annex A provides details of the Capabilities/Deliverables in the GDSC. However, an example of the type of products that these capabilities (GDO1/2) are expected to generated is at Table 1. This is not a definitive list but presented as an iterative guide to the initial requirements to enable the generation of a seamless and complete GI Database which enables the development, delivery and maintenance of up-to-date geospatial products, data and services necessary to meet all

requirements of a fictitious world consisting of a combination of seamless settings.

Serial	Product
1	AOIs
2	Borders
3	Country Names
4	Populated Place Names
5	DGI
6	SGI
7	5 mil Production
8	2 mil Production
9	500K Production
10	250k Production
11	Briefing Pack
12	Large Scale Mapping
13	RNC
14	Elevation Data
15	Imagery
16	Air Production
17	Vector Data
18	Mosaics
19	Caches
20	OSM Processing
21	CAX Support
22	FAS Support
23	Geo Web Services
24	MOD 2 Release / Update
25	MOD 4 Release / Update
26	MOD 6 Release / Update

Table 1 – Example of GI Products