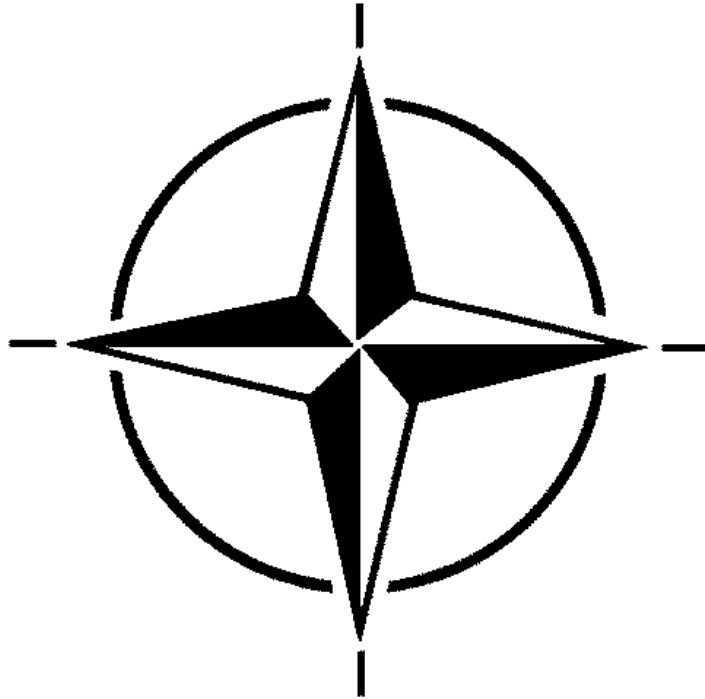


NATO/PfP UNCLASSIFIED



ALP-4.3.1

SUPPLEMENT 1

to

**ALP-4.3 Air Forces Logistic
Doctrine and Procedures**

NATO/PfP UNCLASSIFIED

ALP-4.3.1
Supplement 1
to
ALP-4.3 Air Forces Logistic
Doctrine and Procedures

May 2002

Feedback

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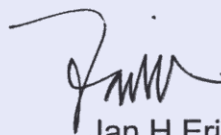
NORTH ATLANTIC TREATY ORGANIZATION

NATO STANDARIZATION AGENCY (NSA)

NATO LETTER OF PROMULGATION

May 2002

1. ALP-4.3.1 – SUPPLEMENT 1 TO AIR FORCES LOGISTIC DOCTRINE AND PROCEDURES is a NATO/PfP UNCLASSIFIED publication. The agreement of nations to use this publication is recorded in STANAG 7167.
2. AIP-4.3.1 is effective upon receipt.



Jan H Eriksen
Rear Admiral, NONA
Director NSA

**RESERVED FOR
NATIONAL LETTER OF PROMULGATION**

RECORD OF CHANGES

Change Date	Date Entered	Effective Date	By Whom Entered

FOREWORD

1. **Intention.** The intention of this document is to give some general information and advice on site surveys and to provide a comprehensive format for a questionnaire that can be used in beddown planning. The same format can be used for the Sending Nations' (SNs) Statement Of Requirements (SORs) for a particular airbase. The SN SOR for that particular airbase and the capabilities of that airbase are combined in one questionnaire, thus making it very easy to identify the possible shortfalls. The further combination of the SORs of all the SNs into this questionnaire gives a complete and easily accessible overview of the total use of the airbase and the possible shortfalls. It will furthermore decrease the possibility of giving away the same capacities more than one time. The format used is fully in line with the AJP-4.5 (draft) format used for Joint Implementation Arrangements (JIAs). However, this format has been further tailored to be used for airfield beddown. Nations and NATO Commands are strongly encouraged to use this format when preparing SORs for beddown activities and when conducting site surveys.

2. **Site Survey.** Site surveys are conducted on a combined and/or joint basis. There are two types of survey depending on the type of site survey:

a. **Contingency Planning Survey.** A contingency planning survey is used to evaluate the potential of a base to support a possible deployment. This may lead to the development of detailed agreements with the Host Nation (HN) of what facilities are, or are not, available.

b. **Deployment Planning Survey.** An actual deployment should be preceded, whenever possible, by a deployment planning survey. The purpose of this Survey is to update extant preplanning or to undertake the ad-hoc planning of a deployment to ensure that the deployed support includes all those resources which the deployment base is unable to provide and to avoid committing scarce movement resources to move support which is readily available.

3. **Survey Team Composition.** Survey Teams should comprise operations, logistics, communications, maintenance, medical, force protection, M&T and infrastructure specialists. Consideration should also be given to including representatives from the unit(s) to be deployed.

4. **Factors to be Determined Prior to Survey.** Prior to any survey, a number of factors should be obtained from the appropriate staffs. It is likely that many of these details, such as personnel numbers and their domestic requirements, will evolve as part of an inter-active process during the survey as the team identifies those functions which can, or cannot, be undertaken by HNS. These factors include:

a. Number of aircraft (or weapon systems for GBAD) to be supported.

- b. Planned sortie rates, roles and tasks.
- c. Planned air transport aircraft flow rate for deployment and resupply.
- d. The Survival To Operate (STO)/Force Protection posture to be adopted.
- e. The number of personnel expected to be deployed and their likely functional breakdown.
- f. Working accommodation requirements including:
 - (1) Technical work areas and maintenance facilities.
 - (2) Classified/secure storage.
 - (3) Office accommodation including furniture.
 - (4) Technical storage.
- g. Domestic accommodation:
 - (1) Bed spaces required (by rank).
 - (2) Catering requirements.
- h. Explosives storage by anticipated volume, classification and Net Explosive Quantity (NEQ). Munitions preparation requirements.
- i. Ground fuel and POL requirements including specifications and volumetric requirements for petrol, diesel, oils, lubricants, gases and cryogenics (LOX and LIN).
- j. Aviation fuel requirements including:
 - (1) Product required.
 - (2) Maximum Daily Off-take (MDO), calculated from the planned sortie rate, plus deployment, resupply and recovery requirements.
- k. Vehicle requirements by type and quantity.
- l. Other nations deploying to this base.
- m. Utilities.

5. **Survey Report.** If the survey is not conducted as part of a JIA a survey report should be produced. This report should be presented to the nations and headquarters involved. The report will reflect the initial findings and results and may be used as a basis for detailed Technical Arrangement (TA) negotiations. However it is emphasised that this report is not a TA in itself. There is no special format required, but the report must at least highlight the assumptions, the unresolved issues and the airbase capabilities/shortfalls. In addition the report should provide a feasibility statement and responsibility for action.

6. **JIA Format.** The JIA format, shown on the following pages, comprises a Plan Summary, Basic Plan and annexes broken down into NATO Class of Supply or service area. The annexes are further divided by appendices – one for each phase of the plan which the JIA supports. The appendices should identify the SNs' requirements for each commodity/ facility/ service, together with the availability (from the HN or other SN), any shortfalls and the means by which it is intended to resolve them. Each annex should summarise the shortfalls and the actions required. Although the enclosed format is NATO UNCLASSIFIED, completed JIAs should be classified according to their contents.

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HOST NATION XXXXX

AND

SENDING NATIONS XXXXX AND XXXXX

CONTINGENCY OPERATION PLAN XXXXX XXXXX

JOINT HOST NATION SUPPORT PLAN

PART II - JOINT IMPLEMENTATION ARRANGEMENT (JIA)

HOST NATION AIR STATION XXXXX AND THE ADJACENT GBAD CLUSTER

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(AIR STATION XXX) - (HOST NATION XXX) JIA

PLAN SUMMARY

1. **PURPOSE**. To detail the responsibilities of Sending Nations and (Host Nation xxx) for the Host Nation Support (HNS) of xxxxx Forces deployed to (Air Station xxx) and its adjacent GBAD cluster in support of COP xxxxxx and its related OPLANS.
2. **AUTHORITY**. Authority for this JIA is given in the SACEUR – (Host Nation xxx) COP xxxxxxxx HNS MOU dated xx xxx 20xx and the JHNSP Part I dated xx xxx 20xx.
3. **CONDITIONS OF EXECUTION**. When requested, (Host Nation xxx) will, by mutual agreement with SACEUR, implement the JIAs contained within the HNS MOU.
4. **OPERATIONS TO BE CONDUCTED**. The xxxxx Forces will deploy to (Host Nation xxx) to undertake missions outlined in CINCXXXXX's COP xxxxxx and in related OPLANS. Planned deployments will take place during the following phases of COP xxxxx:
 - a. **Phase II**. During this phase
 - b. **Phase III**. During this phase
 - c. **Phase IV**. During this phase
5. **KEY ASSUMPTIONS**.
 - a. The SACEUR-(Host Nation xxx) HNS MOU will be activated.
 - b. HNS will be provided to forces in theatre prior to formal TOA and, once initiated, will continue until it is mutually agreed that such support is no longer required.
 - c. The SACEUR-(Host Nation) HNS MOU will “co-exist” with a number of bilateral HNS MOUs, arrangements and agreements for many years to come. CHOD (Host Nation xxx) and CINCXXXXXXXX share a common goal of eventually incorporating all of the existing bilateral plans and agreements for the reinforcement of (Host Nation xxx) into one plan - COP xxxx. It is recognised, however, that this will be a long and evolutionary process, and one which can only proceed with the support and participation of those nations who are party to the existing bilateral agreements.
6. **COMMAND RELATIONSHIPS**.
 - a. **OPCON**. Once Sending Nations deploy forces to (Host Nation), OPCON of those forces will initially be given to SACEUR. When individual forces are declared

Combat Ready by their Sending Nations, SACEUR will delegate OPCON to CINCXXXXX, who in turn will normally delegate it to COMXXX.

- b. Operational Support. While based at (xxxx Air Station), Sending Nations' forces will come under the control of the Air Station Commanding Officer for operational support; such control will comply with (Host Nation xxx) and Sending Nations' national constraints. In order to maintain unity of command some elements of the Sending Nations' forces, in particular Force Protection units, will be under TACON of the Air Station Commanding Officer.

7. LOGISTICS APPRAISAL. The government of (Host Nation xxx) will provide HNS and facilities as detailed in the annexes to this plan.

8. REVIEW AND AMENDMENT. Following the signing of the HNS MOU this plan will be reviewed every two years and updated as required. Amendments may be made with the written mutual consent of the Sending Nations and (Host Nation xxx). Recommended changes will be negotiated at the Joint HNS Steering Committee (JHNSSC) and approved by the Sending Nations and (Host Nation xxx). The point of contact in (Host Nation xxx) is HQ XXXX Logistics Plans. The points of contact for the Sending Nations are:

(Sending Nation yyy):

(Sending Nation zzz):

9. CLASSIFICATION. Elements of this document are classified NATO XXXXXXXX. Information contained herein should be disseminated only to those agencies and personnel whose official duties require knowledge of the plan, including those required to develop supporting plans.

10. EFFECTIVE PERIOD.

- a. This plan will become effective upon its approval by the JHNSSC.
- b. Sending Nations may withdraw all or part of their forces deployed to (Host Nation xxx) in the following circumstances:
 - (1) Following a revision of the COP's mission, Sending Nation(s) conclude that fulfilment of the deployment plan is made either impossible or unnecessary. In that event Sending Nation(s) will give 12 months written notice to withdraw from the plan to all other Sending Nations and (Host Nation xxx).
 - (2) With the mutual consent of all other Sending Nations and (Host Nation xxx).

(AIR STATION XXX) - (HOST NATION XXX) JIA

BASIC PLAN

REFERENCES: A. - COP XXXXXX DATED XX XXX 20XX.
B. - Multi-National Detailed Deployment Plan dated XX XXX 20XX.
C. - MOU between SACEUR and (Host Nation xxx) dated xx xxx 20xx.
D. - JHNSP (Part 1) dated XX XXX 19XX

1. **SITUATION.** The reinforcement of (Host Nation xxx) and the Maritime Flanks has been initiated in accordance with Reference A.

2. **MISSION.** To deploy and sustain resources to (Air Station xxx) to assist in deterrent action, defence or restoration of the territorial integrity of (Host Nation xxx), as outlined in Reference A and its related OPLANS.

3. **EXECUTION.** This plan is executed, with (Host Nation xxx)'s agreement, on command from SACEUR.

a. **Concept.** Under heightening political or military tensions within COMXXXX's Area of Responsibility, Task Organisation deploys to (Air Station xxx), by airlift, sealift and surface means in accordance with Reference A and its related OPLANS. The detailed bed-down of deployed aircraft and GBAD units is given at Annex K.

b. **Co-ordination Instructions.** In accordance with Reference B.

4. **ADMINISTRATION/LOGISTICS.**

a. **Limiting Factors/Shortfalls.** The Limiting Factors/Shortfalls are identified within individual Annexes to this JIA.

b. **Area Maps.** Detailed base maps are given at Annex L.

c. **Financial Matters.** All financial matters arising from this plan shall be handled in accordance with Reference C.

d. **Other Extant MOUs.** Reference C will "co-exist" with a number of other bilateral HNS MOUs, arrangements and agreements for the foreseeable future. The eventual goal is to incorporate all these bilateral agreements into Reference C. However, as at (date xx), the following bilateral agreements apply to (Air Station xxx):

5. CO-ORDINATION/CONTROL.

a. Task Organisation.

b. Key Personnel. The officers responsible for the on-site co-ordination of this plan prior to its implementation may be:

HQ DEFCOM/CHOD/MOD XXX/Logistics Plans
???????? AS/COS
RHQ AFNORTH/
SN XXXX/??
SN XXXX/??
HQ XXXX/SO Logs

(AIR STATION XXX) - (HOST NATION XXX) JIA

CLASS I - INCLUDING WATER

1. CONCEPT. Forces deployed to (Air Station xxx) and its adjacent GBAD sites will require HNS for Class I materiel as detailed in the appendices.

2. REQUIREMENTS. See Appendix 1 to this Annex.

3. LIMITATIONS/SHORTFALLS.

4. ACTIONS.

a. CHOD (Host Nation xxx) to provide, through (Air Station xxx), supply of rations to deployed forces.

b. CHOD (Host Nation xxx) to provide, through (Air Station xxx), water to the buildings and facilities allocated to the deployed forces.

Appendices: (By Phase)

a. Appendix 1(II): Drinking Water (m³ per day)
Water for other purposes (m³ per day)
Fresh food (Number of people per day)
Ration Scale

b. Appendix 1(III): Drinking Water (m³ per day)
Water for other purposes (m³ per day)
Fresh food (Number of people per day)
Ration Scale

c. Appendix 1(IV): Drinking Water (m³ per day)
Water for other purposes (m³ per day)
Fresh food (Number of people per day)
Ration Scale.

CLASS I INCLUDING WATER

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Drinking Water					
Water For Other Purposes					
Fresh Food					
Rations					
Other					

(AIR STATION XXX) - (HOST NATION XXX) JIA

CLASS II - ORGANIC MATERIEL

1. CONCEPT. Forces deployed to (Air Station xxx) and its adjacent GBAD sites will require HNS for Class II organic materiel as detailed in the appendices.
2. REQUIREMENTS. See Appendix 1.
3. LIMITATIONS/SHORTFALLS.
4. ACTIONS. CHOD (Host Nation xxx) should provide, through (Air Station xxx), maps, colour photocopiers and all necessary office stationary required for administrative / operational work.

Appendices: (By Phase)

- a. Appendix 1(II): Class II - Organic Materiel
- b. Appendix 1(III): Class II - Organic Materiel
- c. Appendix 1(IV): Class II - Organic Materiel

CLASS II - ORGANIC MATERIEL

- 1. Phase of COP XXX: Phase (X)
- 2. (Host nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Maps					
Office Equipment					
Office Machinery Support					
Office Supplies					

B-1(x)-1

(AIR STATION XXX) - (HOST NATION XXX) JIA

CLASS III - PETROLEUM, OIL AND LUBRICANTS (POL)

1. CONCEPT. Forces deployed to (Air Station xxx) and its adjacent GBAD sites will require HNS for Class III POL as detailed in the appendices.

2. REQUIREMENTS. See Appendices 1-5 to this Annex.

3. LIMITATIONS/SHORTFALLS.

4. ACTIONS.

a. CHOD (Host Nation xxx) should arrange the provision, through (Air Station xxx) the POL and gasses detailed in Appendices 1-5.

b.

Appendices: (By Phase)

Appendix 1(II)	-	Aviation fuel
Appendix 1(III)	-	Aviation fuel
Appendix 1(IV)	-	Aviation fuel
Appendix 2(II)	-	Ground fuel
Appendix 2(III)	-	Ground fuel
Appendix 2(IV)	-	Ground fuel
Appendix 3(II)	-	Gases
Appendix 3(III)	-	Gases
Appendix 3(IV)	-	Gases
Appendix 4(II)	-	Oils & Hydraulic Fluids
Appendix 4(III)	-	Oils & Hydraulic Fluids
Appendix 4(IV)	-	Oils & Hydraulic Fluids
Appendix 5(II)	-	Others
Appendix 5(III)	-	Others
Appendix 5(IV)	-	Others

(AIR STATION XXX) - (HOST NATION XXX) JIA

CLASS III - AVIATION FUEL

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Aviation Fuel - F34					

C-1(x)-1

(AIR STATION XXX) - (HOST NATION XXX) JIA

CLASS III - GROUND FUELS

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfall	Remarks
Ground Fuel - Diesel F-54					
Ground Fuel – CIVGAS F-57/F-67					
Ground Fuel - Kero F-58					

C-2(x)-1

(AIR STATION XXX) - (HOST NATION XXX) JIA

CLASS III - GASES

- 1. Phase of XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfall	Remarks
LOX					
LIN					
LPG					
High Pressure N2					
Gaseous Nitrogen					

C-3(x)-1

Facility/Supply/Service	Nat	Requirement	Available	Shortfall	Remarks
Other					

C-3(x)-2

(AIR STATION XXX) - (HOST NATION XXX) JIA

CLASS III - OILS & HYDRAULIC FLUIDS

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Engine Oil 15W40					
Automatic Tx Fluid (Dextron II)					
Power Steering Fluid					
Brake Fluid					
Grease					
30 W oil					
Hydraulic fluids					
10 W Oil					
Anti freeze					

C-4(x)-1

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Gear Oil 90W					
Other					

C-4(x)-2

(AIR STATION XXX) - (HOST NATION XXX) JIA

CLASS III - OTHERS

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfall	Remarks
De-icing Fluid					
Other:					

C-5(x)-1

(AIR STATION XXX) - (HOST NATION XXX) JIA

CLASS IV - DEFENCE STORES

1. CONCEPT. The forces deployed to (Air Station xxx) and its adjacent GBAD sites require HNS to provide essential defence stores for the protection of domestic and technical accommodation and operating areas.

2. REQUIREMENTS. See Appendix 1 to this Annex.

3. LIMITATIONS/SHORTFALLS.

4. ACTIONS.

a. CHOD (Host Nation xxx) to provide, through (Air Station xxx), the defence stores detailed at Appendix 1.

b.

Appendices: (By Phase)

a. Appendix 1(II) - Sand bags, steel pickets, corrugated iron

b. Appendix 1(III) - Sand bags, steel pickets, corrugated iron

c. Appendix 1(IV) - Sand bags, steel pickets, corrugated iron

(AIR STATION XXX) - (HOST NATION XXX) JIA

CLASS IV - DEFENCE STORES

- 1. Phase of COP XXX: Phase (x)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Sandbags					
Steel pickets					
Corrugated Iron					
Barbed Wire					
Guard Posts					
Shoring Timber					

D-1(x)-1

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
EOD/Signage					
Other:					

D-1(x)-2

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D-1(x)-3

(AIR STATION XXX) - (HOST NATION XXX) JIA

TRANSPORTATION

1. CONCEPT. The forces deployed to (Air Station xxx) and its adjacent GBAD sites will require assistance for the transportation of personnel and equipment at various phases of the COP. Transportation will be required for the movement of personnel, equipment and ammunition from the Air and Sea Ports of Debarkation (APOD/SPOD) to the initial Staging Area and to the operational air station or employment area.

2. REQUIREMENTS. See Appendices 1- 4 to this Annex.

3. LIMITATIONS/SHORTFALLS.

4. ACTIONS.

a. CHOD (Host Nation xxx) should arrange the provision, through (Air Station xxx), the transportation detailed in Appendices 1-4.

b.

Appendices: (By Phase)

Appendix 1(II) - Movement of Personnel
Appendix 1(III) - Movement of Personnel
Appendix 1(IV) - Movement of Personnel

Appendix 2(II) - Road Movement
Appendix 2(III) - Road Movement
Appendix 2(IV) - Road Movement

Appendix 3(II) - Movement of Materiel
Appendix 3(III) - Movement of Materiel
Appendix 3(IV) - Movement of Materiel

Appendix 4(II) - Movement of Ammunition
Appendix 4(III) - Movement of Ammunition
Appendix 4(IV) - Movement of Ammunition

MOVEMENT OF PERSONNEL

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Movement of Personnel from APOD/SPOD to Staging Area/Air Base/GBAD unit location					
Vehicle Requirements					
Passenger Coaches					
Crew Coaches					
Sedans					
Mini Buses					

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Other					

(AIR STATION XXX) - (HOST NATION XXX) JIA

ROAD MOVEMENTS

- 1. Phase of COP XXX: Phase (X)
- 2. Norwegian Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Movement of Unit Vehicles from APOD/SPOD to Staging Area/Air Base/GBAD unit location					
Total Number of Vehicles by Weight Class					
Off-base Convoy Routes					
Other					

MOVEMENT OF MATERIEL

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Movement of Materiel from APOD/SPOD to Staging Area/Air Base/GBAD unit location					
20 ft ISO Containers					
40 ft ISO Containers					
Other Containers					
Vehicle Requirements					
Truck Cargo					
Trailer Cargo					

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Pickup Truck					
Others					

MOVEMENT OF AMMUNITION

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfall	Remarks
Movement of Explosives from APOD/SPOD to Staging Area/Air Base/GBAD unit location					
20 ft ISO Containers					
40 ft ISO Containers					
Other					

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E-4(x)-2

TO (AIR STATION XXX) - (HOST NATION XXX) JIA

MEDICAL

1. CONCEPT. The forces deployed to (Air Station xxx) and its adjacent GBAD sites will require access to medical care and evacuation as detailed in the appendices.
2. REQUIREMENTS. See Appendix 1 to this Annex.
3. LIMITATIONS/SHORTFALLS.
4. ACTIONS.
 - a. CHOD (Host Nation xxx) should provide, through (Air Station xxx), the medical services and facilities for deployed forces as shown in Appendix 1.

b.

Appendices: (By Phase)

- a. Appendix 1 (II) Medical.
- b. Appendix 1 (III) Medical.
- c. Appendix 1 (IV) Medical.

MEDICAL

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Role 3 Hospital					
Airfield Medical Station Role 1 and 2 Medical Care					
Off Base Hospital Bed Spaces					
Airfield Crash Cover					
Blood Supplies					
Medical re-supply					

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Waste Disposal					
Clinical Waste:					
Sanitation – Sewerage					
Sanitation – Ablutions					
Water					
Heating					
Crash Cat/Crash Cover					
NBC Decontamination Facilities					
COLPRO					

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Hyperbaric Chamber					
Support Vehicles/Ambulances					
Medical Air Evacuation					
Other					

(AIR STATION XXX) - (HOST NATION XXX) JIA

SURVIVE TO OPERATE & GROUND DEFENCE

1. CONCEPT. The forces deployed to (Air station xxx) will conduct Fast Jet (FJ)/Air to Air (AAR)/Air Transport (AT)/ Airborne Early Warning (AEW) operations. In addition, a GBAD Cluster will operate at the locations detailed at Annex K. For personnel protection there will be a requirement for domestic and technical hardened filtered accommodation and, to cater for personnel not on duty, a requirement exists for hardened and filtered domestic accommodation.
2. REQUIREMENTS. See Appendix 1.
3. LIMITATIONS/SHORTFALLS.
4. ACTIONS.
 - a. CHOD (Host Nation xxx) should provide, through (Air Station xxx), materiel and facilities for the deployed forces as requested in Appendix 1.
 - b.

Appendices: (By Phase)

- a. Appendix 1(II): Survive to Operate & Ground Defence
- b. Appendix 1(III): Survive to Operate & Ground Defence
- c. Appendix 1(IV): Survive to Operate & Ground Defence

SURVIVE TO OPERATE & GROUND DEFENCE

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	NAT	Requirement	Available	Shortfalls	Remarks
AIRFIELD SURVIVAL MEASURES					
Alternative Runway or Taxiway					
Hardened BOC or WOC					
Hardened Sqn Ops					
Unhardened Sqn Ops					
Hardened A/C Shelters 1 st Gen.					
Hardened A/C Shelters 3 rd Gen.					
Total No Unsheltered Tac A/C					

Facility/Supply/Service	NAT	Requirement	Available	Shortfalls	Remarks
Total No Large A/C					
Personnel Filtered Hardened Shelter					
Personnel Filtered Unhardened Shelter Capacity					
Personnel Unfiltered Hardened Shelter Capacity (Domestic and Technical)					
Other					
AIRBASE GROUND COMBAT CAPABILITY					
Combined Function Base Defence C ²					
SHORAD					
Dedicated Base Defence Strength					
Airbase Civil Field Engineers					
NBC Defence C2					

Facility/Supply/Service	NAT	Requirement	Available	Shortfalls	Remarks
NBC Chemical Detection and Recce Teams					
NBC Aircraft Decontamination Teams					
Other					
AIRBASE GROUND COMBAT SERVICE SUPPORT					
Base Med Pers					
Auxiliary Med Teams					
Ambulances (Quantity/Capacity)					
Crash Fire Category					
Emergency Water Tanks					
Water Hydrants					
Auxiliary Fire Teams					
Auxiliary Rescue Teams					

NATO/PfP UNCLASSIFIED

ALP-4.3.1
APPENDIX 1 to
ANNEX G

Facility/Supply/Service	NAT	Requirement	Available	Shortfalls	Remarks
EOD Teams					
RAOS Teams					
RESF Teams					
NBC Equipment					
Sector Combined Incident Teams					
Decontamination Facilities, inc Water Supply					
Snow and Ice Clearance					
Comms					
Ammunition Resupply					
Off-base Site Clearance					
Off-base Road Security/ Escorts					
Other					

G-1(x)-4

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G-1(x)-5

(AIR STATION XXX) - (HOST NATION XXX) JIA

COMMUNICATIONS AND INFORMATION SYSTEMS

1. CONCEPT. The forces deployed at (Air Station xxx) and its adjacent GBAD sites will require CIS support from the HN to enable effective Command and Control, together with authority to site and operate national CIS systems for national administrative and logistics C2.
2. REQUIREMENTS. See Appendix 1. to this Annex
3. LIMITATIONS/SHORTFALLS.
4. ACTIONS.
 - a. CHOD (Host Nation xxx) should provide, through (Air Station xxx), the CIS support required at Appendix 1.
 - b.

APPENDICES: (By Phase)

- a. Appendix 1(II): Communications and Information Systems
- b. Appendix 1(III): Communications and Information Systems
- c. Appendix 1(IV): Communications and Information Systems

COMMUNICATIONS AND INFORMATION SYSTEMS

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Base C2 Facilities					
NATO Comms Systems					
National Telegraph Systems					
NATO CCIS					
National CCIS					
Datalinks (Link 1, 11, 16)					
Airbase PABX					

H-1(x)-1

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APPENDIX 1 to
ANNEX H

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Operational PABX					
Military Voice/Data Telephone					
Commercial Voice/Data Telephone					
Commercial Cellular Voice/Data Telephone					
Radio Systems					
Frequency Approvals					
Navigational Aids					
Sat Com					
Sat Television					

H-1(x)-2

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APPENDIX 1 to
ANNEX H

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Telebrief					
Pubic Address System					
Secure fax					
Power					
Crypto					
Internet					
Other					

H-1(x)-3

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(AIR STATION) - (HOST NATION XXX) JIA

FACILITIES

1. CONCEPT. The forces deploying to (Air Station xxx) and its adjacent GBAD sites will require access to, and have functional control of buildings, sites, storage facilities and other areas. The HN will provide utilities to both technical and domestic areas allocated to the deployed forces.

2. REQUIREMENTS. See Appendices 1-5. to this Annex

3. LIMITATIONS/SHORTFALLS.

a. Domestic Accommodation.

(1) Domestic accommodation requirements are summarised as follows:

PHASE	NATION	BEDS	TOTAL
Phase 1			
Phase 2			
Phase 3			
Phase 4			

(2)

4. ACTIONS. Actions required are:

a. The HN should confirm the availability and allocation of on-base buildings and facilities required by the deployed forces.

b.

Appendices: (By Phase)

Appendix 1(II): HQ Facilities

Appendix 1(III): HQ Facilities

Appendix 1(IV): HQ Facilities

Appendix 2(II): Technical working area facilities
Appendix 2(III): Technical working area facilities
Appendix 2(IV): Technical working area facilities

Appendix 3(II): Messing & welfare facilities
Appendix 3(III): Messing & welfare facilities
Appendix 3(IV): Messing & welfare facilities

Appendix 4(II): Billets, officers - ranks, incl shower and latrines facilities
Appendix 4(III): Billets, officers - ranks, incl shower and latrines facilities
Appendix 4(IV): Billets, officers - ranks, incl shower and latrines facilities

Appendix 5(II): Storage facilities
Appendix 5(III): Storage facilities
Appendix 5(IV): Storage facilities

HQ FACILITIES

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Office Accommodation Wg HQ					
Alt Wg HQ					
Supply and MT Control					
Communications, Spt, and MT					
HQ Office Accommodation					
Second Line Maint HQ					

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Other					

I-1(x)-2

TECHNICAL WORKING AREA FACILITIES

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Engineering Facilities and Workshops – General Eng Spt Det					
Aircraft welding, metal, refinishing and composite shops.					
2nd Line Maintenance facilities					
Maintenance Hangar					
Aircraft Cross Servicing					

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APPENDIX 2 to
ANNEX I

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Aircraft Battle Damage Repair					
Calibration and Test Facilities					
Drag Chute Refolding					
Vehicle Maintenance Facilities					
Explosive area workshop					
Weapons control and assembly area					
Industrial Waste Disposal					
Other					

I-2(x)-2

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MESSING & WELFARE FACILITIES

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	NAT	Requirement	Available	Shortfalls	Remarks
Messing Capability					
Canteen, Mess Club					
Currency Exchange					
Laundry & Dry Cleaning					
Postal Facilities					
Gym					
Welfare Office					

Facility/Supply/Service	NAT	Requirement	Available	Shortfalls	Remarks
Catering Waste Disposal					
Other					

BILLETS, OFFICERS & RANKS

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Number on Base					
Number off base					
Number Tented on Base					
Number Tented off base					
Shower facilities					
Latrine facilities					
Domestic Waste Disposal					

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Sewerage					
Other					

I-4(x)-2

STORAGE FACILITIES

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	NAT	Requirement	Available	Shortfalls	Remarks
Supply Storage					
Classified Equipment Storage					
Storage of Organic Vehicles					
Class IV Storage					
Class V Storage					
ESA Open Storage					
Covered Missile Storage Area					
Torpedo storage area					
Weapon Preparation Area					
Missile Preparation Area					

Facility/Supply/Service	NAT	Requirement	Available	Shortfalls	Remarks
Weapon Conveying Assistance					
Other					

I-5(x)-2

(AIR STATION XXX) - (HOST NATION XXX) JIA

AIRFIELD OPERATIONS

1. CONCEPT. The forces deployed to (Air Station xxx) will conduct Fast Jet (FJ)/Air to Air (AAR)/Air Transport (AT)/ Airborne Early Warning (AEW) operations. In addition, a GBAD Cluster will operate at the locations detailed at Annex K. Air transport operations will be conducted by ?? and ?? aircraft. All towing vehicles need to be equipped with snow chains and all other vehicles require studded tyres for winter ops.
2. REQUIREMENTS. See Appendices 1-4 to this Annex.
3. LIMITATIONS/SHORTFALLS.
4. ACTIONS.
 - a. CHOD (Host Nation xxx) should provide, through (Air Station xxx), the facilities, equipment and vehicles requested by the deployed forces as detailed in Appendices 1-4.
 - b.

Appendices: (By Phase)

Appendix 1(II): Air operations
Appendix 1(III): Air operations
Appendix 1(IV): Air operations

Appendix 2(II): Operational Support Requirements
Appendix 2(III): Operational Support Requirements
Appendix 2(IV): Operational Support Requirements

Appendix 3(II): Ground Support Equipment
Appendix 3(III): Ground Support Equipment
Appendix 3(IV): Ground Support Equipment

Appendix 4(II): Support Vehicles
Appendix 4(III): Support Vehicles
Appendix 4(IV): Support Vehicles

AIR OPERATIONS

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Runway Length					
Runway LCN – Suitability					
Taxiway Widths – Suitability					
Taxiway LCN – Suitability					
Aircraft Parking Aprons - Suitability - Allocation					
On-base Convoy Routes					
HAS Allocation					
Tower Operations and Controllers					

J-1(x)-1

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Aircraft servicing control and assembly area					
Flight Planning and Aero Services					
Meteorological Services					
Navigation Aids					
Arresting Gear					
Fire Services					
Aircraft Crash Recovery Services					
Aircraft Passenger/Crew Rescue Services					
Runway/Taxiway Sweep					
Snow and Ice Clearance					
Aircraft De-icing					
Search and Rescue					

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APPENDIX 1 to
ANNEX J

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Air Transport Ops/MALCE					
Access to WOC					
Aircrew Office Accommodation					
Film Processing					
Rapid Runway Repair					
Fax Machine					
Office Furniture					
Photocopying Facilities					
Mobile Phones					
Pagers					
Satellite System and Television for Int O					
Safety Equipment/Flying Clothing					

J-1(x)-3

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Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Storage for tooling and additional flying clothing					
Classified Document Containers					
Other					

(AIR STATION XXX) - (HOST NATION XXX) JIA

OPERATIONAL SUPPORT

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Air Cargo Handling Apron					
Cargo Transfer Loaders					
Forklift Trucks					
Pallet Trailers					
Tow Tractors					
Transport Aircraft Fleet Servicing Equipment					
Pax/General Cargo Assembly and Marshalling Areas					
Hazardous Cargo and Ammunition Handling Area					

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ALP-4.3.1
APPENDIX 2 to
ANNEX J

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
ISO Container Handling Equipment					
Portable weighing scales					
Pallet Dunnage					
Small Tugs					
Passenger Steps					
Tow Bars					
Baggage Conveyors					
Pan Lighting					
Aircraft run-up Pads					
Cargo Vehicles					
10 Ton Crane					
Prime Movers					
Other					

J-2(x)-2

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ENGINEERING SUPPORT

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Maintenance Stands					
Ground Power Units/Aircraft Electrical Power					
Air Start Units					
HP Nitrogen/Oxygen Trolleys					
Air Compressor					
LOX Trolleys					
Wheel Chocks					
Fire Extinguishers					
Fuel Tank Bay					
AC Long Term Rectification					

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Tow Bars					
Space Heaters					
Hydraulic Rigs					
AC Jacks					
AC Ladders					
Weapon Loader Trolley					
Equipment for NBC Ops					
Others					

AC SUPPORT VEHICLES

- 1. Phase of COP XXX: Phase (X)
- 2. (Host Nation xxx) Point of Contact:
- 3. Unit Identification:
- 4. Deployed Location: (Air Station xxx)

Facility/Supply/Service	Nat	Requirement	Available	Shortfalls	Remarks
Aircraft Towing Vehicles					
Aircraft De-icing Vehicles					
Aircraft Pressure Refuellers					
Fuel Transporters					
Runway Sweeper					
Weapons Convoy and Explosive Area Vehicles					
Crane, Crash Recovery					
Others					

(AIR STATION XXX) - (HOST NATION XXX) JIA

AIRCRAFT AND GBAD BEDDOWN

AIRBASE BEDDOWN CAPACITIES

1. For aircraft beddown purposes (Air Station xxx) can be divided into (y) geographical areas:

a. Area ? comprising:

- (1) ? x First/Second/Third Generation HASs.
- (2) ? x fighter dispersals (inc ? currently unusable).
- (3) ? x AT pans (? and ?) each capable of accepting ? AT ac.
- (4)

b. Area ? comprising:

- (1) ? x First/Second/Third Generation HASs.
- (2) ? x fighter dispersals (inc ? currently unusable).
- (3)

GBAD BEDDOWN CAPACITIES

2.

ASSUMPTIONS

3. The following assumptions have been taken into account:

- a. (xx) ac will not fit into a First Generation HAS owing to ????????????; splinter protection and environmental shelters will be required for these ac.
- b. (yy) ac will fit into a First Generation HAS.
- c. Additional dispersal areas will have to be constructed for the parking of (zz) ac

BEDDOWN PLAN

4. Taking the above capacities and assumptions into account, the following detailed aircraft and GBAD beddown is intended:

a. Area ?:

(1) ? x ?? ?? ac to be located in HAS Nos ?????.

(2) ? x ?? ?? ac to be located

(3)

b. Area ?:

(1) ? x ?? ?? ac to be located in

(2)

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