The following is an indicative proposal for the equipment required for the Freight Handling Facility at RAF Brize Norton. This is an extract from a wider report commissioned for the project and is a concept for information only. This layout could be subject to change and should be regarded as such.

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HANGAR USER REQUIREMENTS & KEY USER REQUIREMENTS AREA:

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| Landside goods R&D  Airside goods R&D  Customs Hold R&D  Pallet Handling System  Pallet build system  Specialist Lifting & Handling equipment  Built pallet storage  Freight Storage system  Hazardous goods storage  Refrigerated storage  *V&A Secure storage (safe/door locks/blisters)*  Generic Handling Equipment storage and supply facility  Vehicle manoeuvring / parking | The provision of Freight Handling Facility to meet the current task forecasts within agreed timescales to support steady state and surge requirements. |
| Loose freight handling services include: |
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| Unloading, Storage, Building ACPs; and Loading Aircraft. |
| N/A | R&D of freight vehicles |
| Vehicle Unloading | . |
| The user requires to unload trucks and place general freight in bays from 48hrs before scheduled departure |  |
| General and Large Freight Checking | GENERAL FREIGHT: To check number of pieces of freight and weight against F 1380 airwaybill, provided by consignor, check freight is packed and labelled correctly and not leaking/damaged. Before unloading all AWBs checked for correct Gen/DG/OPS EX signatures and relevant qualifications required by individual load, and handled iaw relevant Special Handling Codes. |
| Special Loads |  |
| DG Acceptance | LARGE FREIGHT: To accept, check weigh, carry out and mark Centre of Balance (CB) calculations A/R and check suitability for Air Transport of helicopters, wheeled loads, ISO containers, cabins and other large freight from 48hrs before scheduled departure. To offload ISO and vehicles and carry out external checks and internal checks required for restraint and hidden DG. |
| Freight Rejection |  |
| User requires provision of a storage area to retain and hold rejected material till it has been approved for shipment | SPECIAL LOADS: To check special loads (freight not normally flown or flown for first time e.g. new-to-service vehicles) have been cleared for Air Transport by JADTEU where applicable. To offload with cranes using Sling lifting beams and check/carry out Centre of Balance calculations. |
| The user requires to check General and Large Freight, ensure Special Loads and DG are cleared for Air Transport and arrange return transport for any rejected freight. |  |
|  | DG ACCEPTANCE: To accept and check suitability for Air Transport of DG cargo (UN Classes 2-6, 8 and 9) against F/MOV/933 Checklist. To book into DG stores and arrive on ICS-CT once accepted. |
|  | FREIGHT REJECTION: To ensure that return transport for rejected freight is arranged. Any load that fails acceptance checks (DG) or any General freight that does not pass scrutiny will be rejected. |
| Security Scan and Biosecurity | To allow the RAF Police Flight to scan freight using RAPI scanners. |
| The user requires to make post acceptance checks for security scanning and to undertake checks (e.g. mud, other contaminates) on freight to identify if they meet biosecurity policy standards | To ensure that all freight meets biosecurity standards. Any non-compliance is to be reported and appropriate action taken to remove the bio-security hazard. |
| Export Freight Storage | LOOSE FREIGHT: To safely store loose freight including bulk items) for up to 48 hrs:  .Vehicles  .ISO .Container  .Helicopters  .Boats  ROLLING FREIGHT: To safety store for up to 48 hours before the flight. |
| Defence Demand Signal 2019 – Mounting for up to 420 ALEST per day for 120 days |
|  | BUILT PALLET: To safely store built aircraft pallets in readiness for loading. |
|  | DG TRANSIT: To safely transit store and segregate DG in a compliant and secure location. Goods are checked, vitaled, booked into the relevant folders and locked into appropriate stores. |
|  | TEMPERATURE CONTROLLED GOODS: To adequately store temperature-controlled goods. Goods are checked vitaled, booked into the relevant folders and locked into appropriate stores. |
|  | PRECIOUS/ATTRACTIVE/ACTO GOODS: To securely store Precious/Attractive/ACTO goods in a secure location. Goods are checked vitaled, booked into the relevant folders and locked into appropriate stores. |
|  | CLASSIFIED GOODS: To provide and manage a separate compliant facility to store classified goods. |
| The user requires a facility capable of building single to multiple (5 linked) aircraft pallets/Unit Load Devices (ULDs), complete pallet/ULD cards, produce drag sheets and checks all pallets pre-built by other RAF Mobility/ Air Movements units delivered to RAF Brize Norton | PALLET/ULD CARD: To complete pallet/ULD card iot attach it to the pallet. Raised to reflect load including DG, V&A Classified, Pallet Check Weight in LBS/KGS. |
|  | DRAG SHEET: |
|  | PALLET CHECKING: To check all aircraft pallets pre-built by other RAF Mobility/ Air Movements units delivered to RAF Brize Norton. Checks on loads to ensure built to standard and are compliant. |
| Handling of UN CLASS 1 Consignments | To ensure that all UN Class 1 consignments are handled safely, securely and iaw IATA DG regulations. |
| The user requires to manage, co-ordinate and control UN Class 1 Consignments including preparation before arrival, arrival of consignment, paperwork checks, physical checks, rejection, pallet building, pallet storage, imported explosives, and the on move of imported explosives |  |
| Freight Checking | FREIGHT CHECKING: To ensure that every manifest is checked for the correct AWBs and corresponding P/W and checked off with the physical freight present in the hangar. |
| Short Shipment/Over Shipment |  |
| The user requires to check incoming freight against the manifest and Form 1380 Air Waybill for each consignment from each unit) including ops and exercise manifests and to conduct short/over/damaged shipment procedures as required. |  |
| Import Freight Storage | IMPORT PALLET: To safely store pallets undercover after they have been unloaded. |
| Import Pallet | LOOSE FREIGHT: To safely store bulk items (e.g. cabins, ISOs, STCs). |
| Defence Demand Signal 2019 – 420 ALEST of VAME (per day for 120 days)   * Vehicles * GSE * Helicopters |  |
| Equipment and Infrastructure | To ensure suitable storage for ACHE and GSE such as Atlas Transfer Loaders, Forklift Trucks and Unit Load Devices (ULDs) such as Aircraft Pallets and baggage bins, tie down equipment and Air Cargo Nets. |
| The user requires to ensure the provision of suitable storage  iaw Environmental and Security storage requirements for ACHE and movements related GSE, ensure that equipment is checked and certified (including calibration and maintenance) and carry out checks of all bays and facilities. | To ensure that Air Cargo portable and fixed (weighbridge) weighing systems, pallet storage, handling systems and temperature-controlled facilities are FFP and certified. |
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| Biosecurity | The user requires that any wood e.g. dunnage/NATO pallets used on aircraft is ISPM 15 compliant. A designated wash down facility is required for imported equipment (when operational exemption has been granted). This is a legislative and JSP mandated activity for all returning freight if not undertaken in theatre. With small and niche operations in the future the infra may not be at the dispatching airfield so provision needs to be made at RAF Brize Norton. |

GLOSSARY

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| ACHE | Air Cargo Handling Equipment |
| ACP | Aircraft Pallet |
| ACTO | Attractive to Criminal and Terrorist Organisations |
| ALEST | Aircraft Load Estimated Short Ton |
| AWB | Airway Bill |
| DG | Dangerous Goods |
| FFP | Fit For Purpose |
| Gen/DG/OPS EX | General / Dangerous Goods / Operational / Exercise |
| GSE | Ground Support Equipment |
| IATA | International Air Transport Association |
| ICS-CT | Interim Cargo Solution-Cargo Tracker |
| ISPM | International Standard Phytosanitary Measures |
| JADTEU | Joint Air Delivery Test and Evaluation Unit |
| R & D | Receipt & Despatch |
| RAPI | RAPID Scanner |
| STC | Special Type Containers |
| ULD | Unit Load Device |
| V & A | Valuable & Attractive |
| VAME | Vehicles and Major Equipment |