



Ministry
of Defence

PARACHUTE EQUIPMENT SUPPORT CONTRACT

SUPPORTING INFORMATION

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C17CSAE Project Team
Level 2, Walnut, Abbey Wood
Stoke Gifford, Bristol, BS34 8JH

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PURPOSE

THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE GENERAL INFORMATION, CONTEXTUAL INFORMATION AND HISTORIC DATA TO INFORM THE STATEMENT OF WORK TO BE PRODUCED BY THE TENDERER.

THIS DOCUMENT IS NOT FOR CONTRACTUAL PURPOSES.

ABBREVIATIONS

ABBREVIATION	FULL DESCRIPTION
ADE	Airborne Delivery Equipment [cargo parachutes]
ADM	Anti-Deterioration Maintenance
AFE	Airborne Forces Equipment [personnel-carrying parachutes]
AinU	Article in Use
AP	Air Publication
BT	Blue Track range of parachutes (80, 380, 533)
CAMO	Continuing Airworthiness Management Organisation
DA	Design Authority
DO	Designated Officer
DZ	Drop zone
FSR	Field Service Representative – Industry employee based at (or immediately available to) RAF Brize Norton
GFE	Government Furnished Equipment
IT	Information Technology
LLP	Low Level Parachute
LLRP	Low Level Reserve Parachute
MALDROP	Malfunctioned Air Drop
MIS	Management Information System
MJDI	Management of Joint Deployed Inventory
PAC	Parachute Allocation Committee
PES	Parachute Engineering Squadron
PLC	Parachute Logistics Cell based at RAF Brize Norton
PLP	Parachutist Life Preserver

OFFICIAL

ABBREVIATION	FULL DESCRIPTION
PT	C17CSAE Project Team
PTC	Parachute Transportation Cell
PTS	Parachute Training School
QAR	MoD Quality Assurance Representative
RTI	Routine Technical Inspection
SA	Support Authority
SOW	Statement of Work
SI	Servicing Instruction
STF	Special Trial Fit
STI	Special Technical Instruction
UTI	Urgent Technical Instruction
VITAL	Visibility in Transit Asset Logging

DEFINITIONS

Expression	Definition
Maintenance	All activities required to ensure Parachute Equipment is in a safe and 'ready to use' condition. This includes but is not limited to washing, drying, hanging, inspection, repair, incorporation of modifications and Special Instructions (Technical), fumigation and packing

BACKGROUND

1. The use of airborne delivery for the insertion of both personnel and mission equipment has utility across a wide spectrum of Defence capability. This insertion requires parachutes, broadly defined as ADE (Airborne Delivery Equipment i.e. cargo parachutes) and AFE (Airborne Forces Equipment i.e. personnel carrying parachutes).
2. [REDACTED]. This is managed by the Parachute Allocation Committee which determines which exercises are undertaken and the number of parachutes that will be allocated to each exercise. Broad demand forecasts are contained at Annex A.
3. The Authority wishes to maximise the availability of parachutes to support exercises and operations. To do this, the Authority will be looking to optimise both the forward and reverse supply chains, provide flexible and responsive support to military exercises and provide greater visibility of parachutes: usage, storage, maintenance and serviceability status.

AIRWORTHINESS AND SAFETY

4. The Authority's overriding consideration is the safety of personnel and equipment using parachutes.
5. The Authority is in regular engagement with the Military Aviation Authority (MAA), the Defence Airworthiness Team and relevant Design Organisations to ensure the airworthiness and safety of equipment, processes, and procedures are maintained to the satisfaction of the Type Airworthiness Authority and to ensure the Duty Holder has a complete picture of the Risk to Life aspects associated with parachuting.

- [REDACTED]
7. Full details of the MAA Regulatory Articles can be found at:

www.gov.uk/government/collections/maa-regulatory-publications

PARACHUTE ALLOCATION COMMITTEE

8. The Parachute Allocation Committee is chaired by a RAF officer and attended by military representatives of the user community, supported by the PT and the team leader of the Parachute Logistics Cell at RAF Brize Norton.
9. The Parachute Allocation Committee (PAC) meets once per month to affirm which parachuting exercises will take place and the actual parachute quantities required based on a forward Exercise Plan.
10. The PAC is supported by a Pre-PAC which collates bids for Parachuting from various end-users placed up to 3 months in advance.
11. The outcome of the PAC forms part of the tasking placed on the Contractor by the Authority.

PARACHUTE LOGISTICS CELL

12. To improve the management of Assets and comply with current Defence Policy, the MoD will introduce a Parachute Logistic Cell (PLC) located at RAF Brize Norton
13. The primary roles for the PLC are those of logistics (issuing, receipting, and discrepancies), Unit Administration (password control etc.) and secondary accounting.
14. The MoD Logistics team at RAF Brize Norton will be able to interact with the complementary team provided by Industry to form a cohesive unit that manages assets effectively with full visibility. These teams will be supplemented by representatives from the PT, at Bristol, to enable broad problem solving ability.
15. The concept is of one virtual team managing assets effectively and efficiently, including the movement of parachutes through the system, managing tasking, arranging collection and deliveries, expediting work, interrogating and updating MJDI etc.
16. The PLC will issue instructions for expediting the formal tasking e.g. of the 50 parachutes which are visible as A1 on MJDI, 30 should be grouped for exercise X and 20 for exercise Y. The process to be followed thereafter is contained in Annex B.

TASKING

12. The Authority will share the forward exercise plan with the industry partner (See Annex B for details of the end-to-end process for allocating parachutes to and accounting for parachutes used on exercises).
13. The Contractor will be informed which parachutes are required for exercises on a 'twice per month' basis by the Authority and maintain parachutes accordingly.
14. The initial tasking will be based upon PAC outputs with the second tasking based on any revisions.

[illegible]

Table 1 – PESC Tasking Sheet

16. Tasking will result in a cycle for Parachute Equipment use incorporating

- i) Identification & tasking (Authority output);
- ii) Maintenance and packing (Contractor activity);
- iii) Using parachutes (User activity), as depicted below:

	Month 1	Month 1	Month 2	Month 2	Month 3	Month 3
	Days 1-14	Days 15 – month end	Days 1-14	Days 15 – month end	Days 1-14	Days 15 – month end
<u>Authority Output:</u> Identification and tasking	Day 1: Tasking issued 1A	Day 15: Tasking issued 1B	Day 1: Tasking issued 2A	Day 15: Tasking issued 2B		
<u>Contractor Activity:</u> Maintenance and packing		Parachute Eqpt maintained & packed 1A	Parachute Eqpt maintained & packed 1B	Parachute Eqpt maintained & packed 2A	Parachute Eqpt maintained & packed 2B	
<u>User Activity</u> Descents		Parachutes Used 1A	Parachutes Used 1A Parachutes Used 1B	Parachutes Used 1B Parachutes Used 2A	Parachutes Used 2A Parachutes Used 2B	Parachutes Used 2B

17. On day 1 of month 1 (tasking 1A above) the PLC will task the Contractor with details of what they are to maintain and pack in time for a number Exercise descents. On day 15 the PLC will inform the Contractor what they are to maintain and pack to support the following Exercise descents (tasking 1B), and so on.

18. In some instances the tasking will entail the ‘recycling’ of used Parachute Equipment to support another planned Exercise in a short timescale. Whilst Parachute Exercises are carefully planned there will inevitably be instances where Exercises are cancelled at short notice (eg weather, un-serviceability of Aircraft). In these instances not all used Parachute Equipment may be available for ‘recycling’ and Industry will not be able to fulfil the original tasking. In these cases it is intended to ‘substitute’ that element of tasking for an alternative tasking.

MANAGEMENT INFORMATION SYSTEMS (MIS)

19. The Authority is seeking to improve on Asset and Engineering management capability for parachute Equipment, as such a MIS will be installed and maintained at the Contractor's premises for the following purposes:

- a. Stock control
- b. Equipment maintenance records
- c. Material Accounting
- d. Visibility
- e. Management Information
- f. Planning

20. Installation and configuration of the systems will be led by a MOD Project manager. The system to be used for asset management is MJDI which is planned to be utilised across Defence. VITAL will be used for consignment tracking

21. Further information on MJDI and VITAL is contained at Annex C.

22. The Authority will provide all MIS hardware and any software in support of MJDI, VITAL and other MOD systems during the set-up phase and for the duration of the contract.

23. Under current policy, Industry is responsible for ensuring they employ trained personnel for MJDI, with Defence providing training for VITAL. This policy is under review and it may be that MoD may provide training for suitable Contractors staff on both MJDI and VITAL.
24. The Asset management through MJDI has been calculated by the Authority, using known processing times for inexperienced personnel, at 4,550 man-hours per year:
- Logistics - issuing, receipting, discrepancies, conversions etc – 4,000 man-hours (calculated at 240,000 transactions each taking 1.0 minutes for an inexperienced operator).
 - Unit Administration at 250 man-hours
 - Secondary accounting at 300 man-hours.
25. The Authority will endeavour to have all static data populated within the system in advance of service commencement. However, this may not be possible and the initial population of static data may not commence until after Contract Award.
26. The Authority is investigating the use of an electronic Engineering Management System to support engineering and maintenance records. Users and maintainers will need to support the Authority in the provision and population of historical data if necessary.

WEST COAST USA FACILITY

■ A number of parachuting exercises are carried out in West Coast USA each year by the UK military. [REDACTED]

28. Typically the exercises programme will include the following every six months, after which the cycle will resume:

[REDACTED]

[REDACTED]

30. [REDACTED]

[REDACTED]

32. There is no fixed location in West Coast USA which is used. There are four predominant packing locations at civilian sites; however they do not necessarily coincide directly with drop zones. There is therefore an additional need to hire equipment: flatbed trucks, 4x4's to cover desert terrain etc.

MAINTENANCE ORGANISATION EXPOSITION

34. Military Aviation Authority (MAA) Regulatory Article (RA) 1150 states that although Airborne Equipment (AE) is not defined as an Air System [RAs were specifically written with respect to Air Systems], their intent is equally applicable to AE and also to the risk management framework necessary to allow Aviation Duty Holders (ADH) and other members of the Airborne Force community to ensure Risk to Life (RtL) is managed appropriately
35. As such there is no current requirement for organisations undertaking the maintenance of Parachute Equipment to be approved by the Military Aviation Authority (MAA) under Maintenance Approved Organisation Scheme (MAOS). However, the DE&S PT has determined that a maintenance Organisation Exposition (MOE) based on MAA Regulatory Article RA4816 provides a sound basis on which to assess the Contractor's ability to conduct the maintenance of Parachute Equipment and ensure the Duty Holder is provided with sufficient information to manage RtL aspects.
36. Full details on the content of the MOE are contained within RA4816 and particular attention is drawn to the Regulatory Articles at Annex F to support the delivery of the Exposition:

CONFIGURATION MANAGEMENT

37. For certain Parachute Equipment, identified in the Statement of Requirement, separate fleets (by NATO Stock Number) will be managed for static line and free-fall parachutes of a similar type. On exception there may be a requirement to convert from one form to another.
38. Conversion from static line to static line with dashpot configurations is commonplace and considered to be normal business.

SPARES AND CONSUMPTION

39. To assist in the assessment of spares holdings, details of previous consumption is provided at Annex D.

TRANSPORTATION

40. Transportation of parachutes is currently undertaken by the Parachute Transportation Cell (PTC), a military movement's team based at RAF Brize Norton.
41. In practice this will mean that routine and predictable transportation will not be undertaken by the PTC who will be utilised for more immediate or unpredictable work, internal movements within Defence and other use as determined.
42. A typical PTC route involves dropping off A1 parachutes at RAF Brize Norton, picking up R2 parachutes, static lines, deployment bags etc. from RAF Brize Norton (leg 1), picking up R2

parachutes and equipment from drop zones (leg 2) and returning to the maintenance facility for receipt of items (leg 3).

DROP ZONE HUSBANDRY PROCEDURES

43. An Extant RAF Drop Zone procedure for Parachute Husbandry, the Recovery of Used Parachutes and the management of AFE involved in Safety Occurrences is provided at Annex E.
44. In practice this means that the Authority will have responsibility for all husbandry issues up to and including the loading of pallets and cages for transportation or the direct loading of vehicles if no pallets or cages are required, after which responsibility for the Assets will transfer to Industry.

MAINTENANCE OF AUTOMATIC ACTIVATION DEVICE

45. The current Automatic Activation Device (AAD) in use with UK BT80 and BT380 parachutes is the Cybernetic Parachute Release System (CYPRES). Under current policy the CYPRES requires 4-yearly and 8-yearly maintenance checks, which are conducted by 'Airtec' based in Bad Wunnenberg, Germany.

ANNEX A - DEMAND FORECAST

The following table is an illustration of monthly demand forecast by parachute type.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36	37	38	39	40	41	42
43	44	45	46	47	48	49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94	95	96	97	98
99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126
127	128	129	130	131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150	151	152	153	154
155	156	157	158	159	160	161	162	163	164	165	166	167	168
169	170	171	172	173	174	175	176	177	178	179	180	181	182
183	184	185	186	187	188	189	190	191	192	193	194	195	196
197	198	199	200	201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232	233	234	235	236	237	238
239	240	241	242	243	244	245	246	247	248	249	250	251	252
253	254	255	256	257	258	259	260	261	262	263	264	265	266
267	268	269	270	271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290	291	292	293	294
295	296	297	298	299	300	301	302	303	304	305	306	307	308
309	310	311	312	313	314	315	316	317	318	319	320	321	322
323	324	325	326	327	328	329	330	331	332	333	334	335	336
337	338	339	340	341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360	361	362	363	364
365	366	367	368	369	370	371	372	373	374	375	376	377	378
379	380	381	382	383	384	385	386	387	388	389	390	391	392
393	394	395	396	397	398	399	400	401	402	403	404	405	406
407	408	409	410	411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430	431	432	433	434
435	436	437	438	439	440	441	442	443	444	445	446	447	448
449	450	451	452	453	454	455	456	457	458	459	460	461	462
463	464	465	466	467	468	469	470	471	472	473	474	475	476
477	478	479	480	481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500	501	502	503	504
505	506	507	508	509	510	511	512	513	514	515	516	517	518
519	520	521	522	523	524	525	526	527	528	529	530	531	532
533	534	535	536	537	538	539	540	541	542	543	544	545	546
547	548	549	550	551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570	571	572	573	574
575	576	577	578	579	580	581	582	583	584	585	586	587	588
589	590	591	592	593	594	595	596	597	598	599	600	601	602
603	604	605	606	607	608	609	610	611	612	613	614	615	616
617	618	619	620	621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640	641	642	643	644
645	646	647	648	649	650	651	652	653	654	655	656	657	658
659	660	661	662	663	664	665	666	667	668	669	670	671	672
673	674	675	676	677	678	679	680	681	682	683	684	685	686
687	688	689	690	691	692	693	694	695	696	697	698	699	700
701	702	703	704	705	706	707	708	709	710	711	712	713	714
715	716	717	718	719	720	721	722	723	724	725	726	727	728
729	730	731	732	733	734	735	736	737	738	739	740	741	742
743	744	745	746	747	748	749	750	751	752	753	754	755	756
757	758	759	760	761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780	781	782	783	784
785	786	787	788	789	790	791	792	793	794	795	796	797	798
799	800	801	802	803	804	805	806	807	808	809	810	811	812
813	814	815	816	817	818	819	820	821	822	823	824	825	826
827	828	829	830	831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850	851	852	853	854
855	856	857	858	859	860	861	862	863	864	865	866	867	868
869	870	871	872	873	874	875	876	877	878	879	880	881	882
883	884	885	886	887	888	889	890	891	892	893	894	895	896
897	898	899	900	901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920	921	922	923	924
925	926	927	928	929	930	931	932	933	934	935	936	937	938
939	940	941	942	943	944	945	946	947	948	949	950	951	952
953	954	955	956	957	958	959	960	961	962	963	964	965	966
967	968	969	970	971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990	991	992	993	994
995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008
1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022
1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036
1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050
1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064
1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078
1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092
1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106
1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120
1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134
1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148
1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162
1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176
1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190
1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204
1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218
1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232
1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246
1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260
1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274
1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288
1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302
1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316
1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330
1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344
1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358
1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372
1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386
1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400
1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414
1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428
1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442
1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453</			

ANNEX B - PARACHUTE ALLOCATION AND ACCOUNTING

AFE TASKINGS

AFE TASKINGS

AFE TASKINGS

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ANNEX C – MJDI: MANAGEMENT OF JOINT DEPLOYED INVENTORY

The Management of the Joint Deployed Inventory (MJDI) is the MoD tri-service system for the demanding, accounting and management of materiel across UK defence. It is used in military units, contractors' premises and Headquarters amongst other places. It interfaces with a wide range of other systems including engineering management systems, financial accounting systems and procurement systems.

MJDI has 3 main components;

- MJDI Local - Used for demanding and accounting for materiel at units (& Contractors)
- MJDI Management Information systems (MIS) - Primarily used in HQs and Project Teams to give an overview of materiel account activity in MJDI Local at units
- MJDI training application - Used by authorised training establishments

Notes:

MJDI Local, is being introduced to the PESC Contractor to enable all users in the AE environment including Contractors and MoD Project Teams to have up to date visibility of all assets, the current material condition of assets waiting repair or re-packing and the location of assets either at the Contractor or with the user community.

MJDI Local will also be used to issue and receipt assets from other contractors / MOD units. Issues of AFE equipment will be internal to an Articles In Use Inventory until such time as the assets are returned. All ADE assets will be issued to the user units' own accounting UIN. ADE assets issued to Brize Norton will be done so via the PLC who will act on behalf of OC Supply and conduct the required MJDI receipt and issue transactions. Issue abroad for operations will be to a notified UIN as and when required.

MJDI Local will work alongside the Engineering assets tracking system that will be introduced at a later date, however MJDI Local from day 1 will require serial number tracking to be introduced this will enable better identification of lost and found assets in future. Global Serial number tracking will be aligned to all assets listed as lifed in the 2R1 Publication (contained at Annex F).

VITAL – VISIBILITY IN TRANSIT ASSET LOGGING

All equipment and materiel consigned for transportation from one defence or defence-sponsored, organisation to another, is to be tracked from as close to the point of origin to as close to the point of use as the Defence Consignment Tracking (CT) system allows. This is to include items from an external source (Industry/Contractor) entering the Joint Support Chain at the Purple Gate.

Items that must be tracked using a consignment Tracking System include:

- All unit stores and equipment routinely issued, deploying or re-deploying on operations or exercises
- All Materiel
- Returned Stores including Repairables
- ISO Containers, MiniCons, Specialist Containers (full or Empty).
- All assets included within Issue Orders raised by MOD Inventory Managers, including Task Issues, Urgent Operational Requirements (UOR) and Priming Equipment Packs (PEPs).
- Issues to, and receipts from, all defence and defence sponsored organisations).

CLASS OF STORE

The classification of an item will be identified on the catalogue element under the abbreviation 'MACC' and by a letter shown below.

P class- Permanent item – repairable normally 4th Line only (there are exceptions)

L class- Limited item- repairable normally at second line (Unit workshops)

C class- Consumable item – No repair, consumed in use, U/S items through local disposal arrangements

ANNEX D
TO PESC SUPPORTING INFORMATION
C17CSAEP/04/08/13 dated 1st Nov 2016

ANNEX D - PARACHUTE EQUIPMENT SPARES CONSUMPTION

Details of previous consumption of spares over the past 2 years are provided below.

DMC	NSC	NC	IIN	Part Specification	No./	Description	D of Q	2 Year Consumption
15D	1670	99	1353321	GQ11464		Sock Lower	EA	25
15A	1670	99	516683	IAC/C14947		LLP Static Line	EA	25
15D	1670	99	7223406	GQD 10443		Centre Line	EA	30
15D	1670	99	1371048	GQD 00540		Stowage Loops	EA	10
15A	1670	99	6671214	IAC-C14954		Lift Web	EA	19
15A	1670	99	1799266	IACE 14950		Centre Para LLP	EA	15
15A	8305	99	4177202	BS4F 49		Webbing Cotton Natural 1"	MR	500
15A	4020	99	4177474	BSF135SB612		47lb Nylon Cord	MR	30000
15A	4020	99	207275	IGQMS 2201		Cord Braided 80lb	MR	60000
33H	8030	12	3282434	IGQMS 0462		Loctite 243	EA	24
15A	8310	99	4177183	GQMS 1876		Thread No. 8 45lb	KG	20
15A	4020	99	9678369	GQMS 822		Cord Braided 700lb	MR	2000
8310	8310	99	1250516	IGQMS 1870		Thread No. 18 Khaki	KG	20
4020	4020	99	1329946	IGQMS 0810		Cord Nylon 303lb	MR	18320
15D	1660	99	1149200	AML 13180		Bellows Assembly	EA	250
33H	8315	99	2203903	DEF STAN 81-47		2" Vinyl Tape	RO	36
15A	1670	99	4177567	GQD 41328		Rubber Band 2" x 1/4"	KG	80
15D	4020	99	2563979	GQMS 828		Cord Nylon Gold	MR	10000
33H	7510	99	9437001	BSJ 11		1" Masking Tape	RO	144
33H	7510	99	1255423	DEF-STAN-75-3		1" Sellotape	RO	288
4020	4020	99	8119597	IGQMS 0953		Cord Para-Aramid 1500N	MR	2000
15D	4020	99	1203456	BSF132CB205		1200lb Cord	MR	3000
33H	7510	99	2202350	GQMS 0572		1" Fabric Tape	RO	288
15D	1670	99	7223387	GQD 40419		Extension Riser 16ft	EA	50
15D	1670	99	7383892	GQD 40418		Static Line	EA	20
15D	1670	99	1278404	GQ21035		Shackle Sock	EA	75
15A	4020	99	1278209	GQMS 0840		150/180 lb Cord	MR	9160
1670	1670	99	7607754	IGQ 00776		3.2mr Static Line	EA	298
5315	5315	99	8459659	489001		Terry Retaining Pin	EA	2000
				PB12492		Poly Bag 828 x 1000 BT380	EA	8268
15D	1670	99	2453496	IAC-B15632		SC15 MK2 Rigging Line	SE	40
15A	5310	99	6764530	AML-13497-1		Tab Washer	EA	457
15D	4020	99	9405089	GQMS 0347		Cord Nylon White	MR	624
15A	4020	99	5648693	IGQMS 0820		Cord Nylon Green	MR	1800
8310	8310	99	3354855	IGQMS1878		Thread Linen Black	KG	19.68
33H	7510	99	1255348	DEF-STAN 75-3		Sellotape 2"	RO	144
15A	1670	99	6117603	GQD43615		LLRP Closure Loop	EA	2000
15D	4020	99	5121220	IACS 1140		Cord Nylon Green	MR	17500
15D	1670	99	4111755	AML12128		Shackle Pin	EA	150
15D	1670	99	4111756	AML12136 SH3		Shackle	EA	75

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29G	5325	99	1034154	00895 00CC0	Stud Two Prong Fixing	EA	2000
5970	5970	99	8389492	IGQMS3004	Tape Glass Fibre 2"	RO	24
15A	1670	99	6671214	IAC-C14954	Lift Web inc. Capewell Cover	EA	20
15A	4020	99	1388053	GQMS 0806	150lb Cord	MR	9160
5340	5340	99	3621874	ASE03617	Cable Tie	EA	1500
15D	1670	99	4111756	AML12136 SH3	Shackle	EA	100
15D	8305	99	5354421	IAC/S 1330	Fabric Nylon Nato Green	MR	50
15A	8305	99	207861	GQMS 0202	Webbing Nylon Nato Green	MR	180
1670	1670	99	1352501	GQ10835	40FT RISER	EA	0
15D	1670	99	1377396	D.03316-001-7	BOBBIN	EA	0
15D	1670	99	1377396	RFDGQD.03316	BOBBIN	EA	
15D	1670	99	1377396	RFDQD.03316	BOBBIN	EA	
15A	8315	99	1560003	P9002102010	WHITE TAPE	MR	0
15A	8305	99	2691557	P9002342510	FABRIC	MR	50
15A	5120	12	3643798	12211010	MOUNTING SLE	EA	0
15A	1377	12	3644230	913100	CUTTER,CARTR	EA	0
15A	1670	12	3647302	900004	FILTER,ELEME	EA	0
6850	6850	12	3670254	960200	SILICONE COM	EA	0
15A	8315	99	3784345	P9002103010	TAPE	MR	0
15A	8310	99	4003031	P9002398300	THREAD	RO	0
15A	8305	14	4046450	P9002100000	WEBBING	MR	0
1670	1670	99	4368507	RF-700-7EM NYLON 66	BOBBIN	EA	0
22C	4220	99	4711601	A343601	STOLINFLPARA	EA	0
22C	4220	99	4711601	A343601 ISSUE 1	STOLINFLPARA	EA	
22C	4220	99	4711601	A343601A00	STOLINFLPARA	EA	
22C	4220	99	4711601	A343601A00	STOLINFLPARA	EA	
15A	8305	14	4946851	P9002376640	CLOTH	MR	0
15A	8315	14	4946866	P9002107400	TAPE TEXTILE	MR	0
15A	1670	14	5180483	P2015000350	TUBE STOWS N	EA	27984
15A	1670	14	5223960	P2015000360	TUBE STOWS	EA	5700
15A	4010	14	5228442	P1010168010	JETTISON REL	EA	0
15A	1670	14	5228445	P9001161100	LINK NO 6	EA	1,115
15A	8305	14	5283861	P9002386040	CLOTH	MR	0
15A	1670	14	5427901	P1005031002	R PILOT CHUTE	EA	95
15A	5365	14	5427922	P1009067110	LINK PROTECT	EA	0
15A	8315	14	5427923	P1011125022	ELASTIC KEEP	EA	200
15A	1670	14	5427924	P3014002211	MMS RES	EA	4225.92
15A	1670	14	5431096	P1007083501	CLOSING LOOP	EA	420
15A	1670	14	5444554	P1007060600	CYPRS POCKET	EA	0
15A	1670	14	5463989	P1007056464	STATIC LINE	EA	100
15A	5325	14	5470268	P9001451300	GROMMET	EA	0
15A	8315	14	5470288	P9002105010	LACING,TEXTI	MR	0
15A	4020	14	5470659	P9002303650	ROPE FIBROUS	MR	0
15A	5340	14	5493702	954079	SNAP HOOK	EA	0
15A	9330	14	5540797	P9003004100	DETACH WINDO	EA	990
15A	8310	14	5565873	P9002398020	THREAD	RL	0
15A	5325	14	5565877	P9001451400	WASHER	EA	600
15A	1670	14	5571374	P2015000910	DASHPOT BAND	KG	0
15A	1670	14	5658690	304686	DASHPOT SLVE	EA	40
15A	1670	14	5658690	304686-0	DASHPOT SLVE	EA	

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15A	8310	14	5684888	10239	THREAD	RL	0
15A	8310	14	5684888	10239	THREAD	RL	0
15A	1670	14	5708059	304612-0	RISER,PARACH	PR	0
15A	1670	14	5708120	304613-0	BRIDLE,PARAC	PR	0
15A	1670	14	5708182	304616-0	DEPLOYMENT B	EA	10
15A	4020	14	5710654	304614-0	CORD ASSEMBL	EA	0
15A	1670	14	5710685	304617-0	RIP CORD,PAR	EA	0
15A	1670	14	5710692	304618-0	RIP CORD,PAR	EA	0
15A	1670	14	5710694	304623-0	DEPLOYMENT B	EA	80
15A	4020	14	5710730	304892-0	FIBER ROPE A	EA	0
15A	1670	14	5713192	304897-0	TOGGLE,PARAC	PR	0
15A	1670	14	5713198	304597-0	SLIDER GREY	EA	0
15A	1670	14	5713202	304766-0	SLIDER,SAIL	EA	0
15A	5110	14	5713208	991545	CUTTER,LINE	EA	0
15A	1670	14	5713255	304882-0	TOGGLE,PARAC	PR	0
15A	1670	14	5713256	304474-0	PILOT CHUTE	EA	0
15A	8465	14	5713761	304767-0	STRAP,WEBBIN		
15A	1670	14	5713768	P1007083510	WEBBING,TEXT	EA	40
15A	4020	14	5713865	909	TWINE,FIBROU	MR	0
15A	1670	14	5772739	304969-0	DEPLOYMENT B	EA	0
15A	1670	14	5772799	304970-0	BRIDLE,PARAC	EA	0
15A	5365	14	5806474	954148	RING,CONNECT	EA	0
15A	5340	14	5806504	954085	LOOP,STRAP F	EA	0
15A	8305	14	5806509	P9002100100	WEBBING,TEXT	MR	0
15A	1670	14	5806523	305235	PARTS KIT,PA	SE	0
15A	8310	99	6764469	P9002398010	THREAD	RL	8
15D	1670	99	8102889	IAC-E14878	BAG STOWAGE	EA	0
15A	8310	99	8620046	P9002402020	THREAD BLACK	BB	2

ANNEX E - DROP ZONE HUSBANDRY PROCEDURES

The following are the RAF procedures for Parachute Husbandry, the Recovery of Used Parachutes and the management of AFE involved in Safety Occurrences.

References:

- A. DAP- DAP 101P-0001-2(R)1 Issue 1, dated December 2013.
- B. DAP-108A-0007-1, Issue 1, dated December 2012.
- C. 2 Gp ASOs Enc 5 MSLFFP Issue 6 (Annex B).
- D. 2Gp TATOM Issue 2.6 dated August 2013 (Section 2, Chapter 6)

Purpose

- 1. The purpose of this Order is to detail the correct husbandry procedures to be followed to avoid unnecessary damage to parachute equipment.

Applicability

- 2. This procedure is applicable for all personnel within ADW.

Responsibility

- 3. [REDACTED] is responsible for the implementation of this order.

Husbandry Principles

- 4. The following summary outlines the principles to be used to ensure correct parachute husbandry, particularly during transit. These principles and associated processes are covered in more detail at References A to D.

- 5. Packed Parachutes.

All packed parachutes are to be sealed inside a waterproof plastic bag prior to any ground transportation.

Bagged parachutes may be transported within the UK using metal caged pallets.

Packed parachutes for international transportation are to be sealed in waterproof polythene bags and then boxed. Boxed parachutes are to be stacked on appropriate pallets and pallet covers used to make the whole pallet weather-proof.

- 6. Post Descent Parachutes

Following a parachute descent, parachutes are to be placed inside a stuff sack for recovery from the DZ to a suitable parachute preparation area. [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

All post descent parachutes intended for immediate re-use are to be packed and maintained locally in a suitable preparation area iaw Reference A.

Post descent parachutes intended for transit are to be field packed and sealed inside a waterproof polythene bag.

Post descent parachutes intended for international transit are to be field packed, sealed in waterproof polythene bags and then boxed. Boxed parachutes are to be stacked neatly on appropriate pallets and pallet covers used to make the whole pallet weather-proof.

Post descent parachutes which have been involved in a safety occurrence are to be quarantined, iaw References C and D. All other associated AFE, such as Go-Pro cameras, are also be preserved as evidence.

ANNEX F – MAA REGULATORY ARTICLES

RA NUMBER	RA DESCRIPTION	SUB RA applicable
RA 4805	Facility Requirements (MRP 145.A.25)	4805(1): Facility Requirements (MRP 145.A.25(a)) 4805(2): Office Accommodation (MRP 145.A.25(b)) 4805(3): Working Environment (MRP 145.A.25(c)) 4805(4): Storage Facilities (MRP 145.A.25(d))
RA 4806	Personnel Requirements (MRP 145.A.30)	4806(1): Accountable Manager (Maintenance) (MRP 145.A.30(a)) 4806(2): Personnel Responsible to the Accountable Manager (Maintenance) (MRP 145.A.30(b)) 4806(3): Quality Manager (MRP 145.A.30(c)) 4806(4): Maintenance Man-Hour Plan (MRP 145.A.30(d)) 4806(5): Personnel Competences and Authorization (MRP 145.A.30(e)) 4806(9): Component Certifying Staff (MRP 145.A.30(i))
RA 4807	Certifying Staff and Support Staff (MRP 145.A.35)	4807(1): Staff Knowledge (MRP 145.A.35(a)) 4807(2): Certification and Supervisory Authorizations (MRP 145.A.35(b)) 4807(3): Staff Experience Requirements (MRP 145.A.35(c)) 4807(4): Staff Continuation Training (MRP 145.A.35(d)) 4807(5): Continuation Training Programme (MRP 145.A.35(e)) 4807(6): Certifying Staff Competence Assessment (MRP 145.A.35(f)) 4807(7): Issue of Certification Authorization (MRP 145.A.35(g)) 4807(8): Certification Authorization Codes (MRP 145.A.35(h)) 4807(9): Responsibility for Issuing Certification Authorization (MRP 145.A.35(i)) 4807(10): Record of Staff (MRP 145.A.35(j)) 4807(11): Provision to Staff of a Copy of their Authorizations (MRP 145.A.35(k)) 4807(12): Requirement to Produce Certification Authorization (MRP 145.A.35(l))

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RA 4808	Equipment Tools and Material (MRP 145.A.40)	4808(1): Equipment Tools and Materials (MRP 145.A.40(a)) 4808(2): Control of Equipment Tools and Materials (MRP 145.A.40(b))
RA 4809	Acceptance of Components (MRP 145.A.42)	4809(1): Component Classification (MRP 145.A.42(a)) 4809(2): Eligibility of Components (MRP 145.A.42(b)) 4809(3): Local Manufacture/Fabrication of Components (MRP 145.A.42(c)) 4809(4): Certification of Components as Unsalvageable/Scrap (MRP 145.A.42(d))
RA 4810	Technical Information (MRP 145.A.45)	4810(1): Approved and Current Technical Information (MRP 145.A.45(a)) 4810(2): Applicable Technical Information (MRP 145.A.45(b)) 4810(3): Requirement to Inform Technical Information Author of Errors (MRP 145.A.45(c)) 4810(4): Modification of Technical Information (MRP 145.A.45(d)) 4810(5): Common Work Card or Work Sheet (MRP 145.A.45(e)) 4810(6): Availability of Technical Information (MRP 145.A.45(f)) 4810(7): Maintaining the Amendment State of Technical Information (MRP 145.A.45(g))
RA 4811	Maintenance Planning (MRP 145.A.47)	4811(1): Maintenance Planning System (MRP 145.A.47(a)) 4811(2): Human Factors Limitations (MRP 145.A.47(b)) 4811(3): Handover of Maintenance Tasks (MRP 145.A.47(c))
RA 4812	Certification of Aircraft and Component Release (MRP 145.A.50)	4812(4): Certification of Component Release and Cannibalization (MRP 145.A.50(d))
RA 4813	Maintenance Records (MRP 145.A.55)	4813(1): Recording of Maintenance Work (MRP 145.A.55(a)) 4813(2): Copies of Maintenance Records (MRP 145.A.55(b)) 4813(3): Retention of Maintenance Records (MRP 145.A.55(c))
RA 4814	Occurrence Reporting (MRP 145.A.60)	4814(1): Unsafe Condition Reporting (MRP 145.A.60(a)) 4814(2): Internal Occurrence reporting (MRP 145.A.60(b))
RA 4815	Maintenance Procedures and Safety and Quality Policy (MRP 145.A.65)	4815(1): Organization Safety and Quality Policy (MRP 145.A.65(a)) 4815(2): Procedures for Good Maintenance Practices (MRP 145.A.65(b)) 4815(3): Quality System (MRP 145.A.65(c))