

Capital Area Mutual Aid Fire Compact

Standard Operating Guideline

SOG#2014-1

Bariatric Equipment and Response

Approval Date: 9/17/2014 Effective Date: 9/17/2014 Revision Date: 1/21/2021

Purpose: To identify the equipment procured by Homeland Security Grant for bariatric transports. To identify roles and responsibilities of all parties involved at an incident throughout the compact where a bariatric equipment request has been made.

Policy: This guideline identifies equipment received under the Homeland Security grant. It identifies common terms, procedures, and the responsibilities of hosting, transporting, and receiving communities.

Definitions:

“Bariatric Patient” – A Body Mass Index (BMI) is a widely accepted method of defining. A BMI greater than 40 is considered bariatric. (See Chart in Appendix)

“Bariatric Equipment Cache” – The equipment stored at Concord Fire Department headquarters storage building. Items include: (1)Bariatric Cot, (1)Transition plate, (2)Ramps, (1) Winch, (1)Transafe HoverMat, (1) HoverJack lifting system, (1) air supply unit, (1) patient transfer sheet.

“Bariatric Capable Transport Ambulance”- An ambulance that has (5) receivers installed into the floor to accommodate the transition plate and winch box. These units will also have a power supply installed to power the winch box. These units will have 5 receiver bolts that shall remain with the vehicle to secure the above mentioned equipment into the receivers.

“Bariatric Equipment Delivery Vehicle” – Any vehicle that is used to move the equipment from the cache site in Concord to a requesting town. This vehicle will not be equipped or used for patient transport (i.e. pick-up truck, SUV, or non-bariatric capable transport ambulance)

Procedure:

1. The Capital Area Bariatric Equipment Cache is for the use of Capital Area Mutual Aid Fire Compact towns and their EMS partners for the loading and transport of Bariatric Patients encountered during emergency responses. The equipment is available for mutual aid to emergencies in agencies outside the Capital Area Compact based on availability of the Bariatric Equipment

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- Cache, Bariatric Capable Transport Ambulances & Bariatric Equipment Delivery Vehicle.
2. Upon determination by on-scene personal or pre-identified by dispatch flags a request for the bariatric equipment shall be made via radio or telephone to Concord Fire Alarm from the requesting town. This request shall be based on an assessment that identifies the capabilities of the responding crew, current equipment limitations, and patient condition. If the patients' needs exceed the ability to safely manage the condition, additional assistance and the Bariatric Equipment Cache can be requested.
 3. The nearest Bariatric Capable Transport Ambulance will be dispatched mutual aid to the requesting town.
 - a. Concord Ambulances 4, 5,7
 - b. Hooksett Ambulance 1
 - c. Epsom Ambulance 2
 4. If the nearest Bariatric Capable Transport Ambulance is not a Concord Fire Ambulance, then a Bariatric Equipment Delivery Vehicle shall be used to bring the Bariatric Equipment Cache to the requesting town for use with the Bariatric Capable Transport Ambulance.
 5. If #2 and #3 are unavailable then the next geographically located Bariatric Capable Transport Ambulance will be dispatched to respond to Concord pick up the Bariatric Equipment Cache and respond to the requesting town.
 6. If #2, #3, and #4 are unavailable then the final Bariatric Capable Transport Ambulance available in the Compact will be dispatched to respond to Concord pick up the Bariatric Equipment Cache and respond to the requesting town
 7. If there are no Bariatric Capable Transport Ambulance available in the Capital Area Compact, Dispatch will contact another Bariatric Equipment Cache site located nearest the requesting town.

Responsibilities:

- Requesting towns – Understand current equipment capabilities and limitations within their communities. Ensure prompt and appropriate requests for equipment with as much detail as possible.
- Bariatric Capable Transport Ambulance – Ensure the (5) receivers installed into the floor to accommodate the transition plate and winch box are maintained and available. Ensure the power supply is protected and

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maintained. Ensure the 5 receiver bolts remain with the vehicle. Notify Dispatch if the Bariatric Capable Transport Ambulance will be out of service. To ensure that all equipment is cleaned and returned in working condition to the cache upon the completion of the incident. All damaged equipment shall be reported to Bureau Chief McIntire ASAP.

- Bariatric Equipment Cache – Shall be maintained in the Headquarters Storage building that is accessible via a request to dispatch 24/7.

Dispatch Example:

Pittsfield requests bariatric equipment to scene for transport

1. Epsom is dispatched Mutual Aid with a Bariatric Capable Transport Ambulance and Concord Fire is dispatched to deliver the Bariatric Equipment Cache to Pittsfield with a Bariatric Equipment Delivery Vehicle
2. If Epsom is not available, then Concord Fire will send Bariatric Capable Transport Ambulance with the Bariatric Equipment Cache to Pittsfield.
3. If Epsom and Concord are not available, then Hooksett would send a Bariatric Capable Transport Ambulance to Concord to retrieve the Bariatric Equipment Cache and then respond to Pittsfield.
4. If all three of the above options are not available Concord Fire alarm will contact a cache hosting agency outside of the Compact and request a Bariatric Capable Transport Ambulance with the Bariatric Equipment Cache.

Local needs and resources will determine what combination of equipment and manpower are needed and can be requested as a special call.

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Bariatric Patient” – A Body Mass Index (BMI) is a widely accepted method of defining. A BMI greater than 40 is considered bariatric.

* Note – Many Bariatric patients can safely be managed with existing equipment and resources. Most modern day stretchers can safely accommodate up to 750lbs and Stairchairs are designed to handle 400-550lbs. If the patient exceeds the BMI chart, local equipment, or resources consider use of Bariatric Equipment Cache

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BMI HEIGHT	NORMAL					OVERWEIGHT					OBESE					EXTREME OBESITY																				
	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
4'10"	91	96	100	105	110	115	119	124	129	134	138	143	148	153	158	162	167	172	177	181	186	191	196	201	205	210	215	220	224	229	234	239	244	248	253	258
4'11"	94	99	104	109	114	119	124	128	133	138	143	148	153	158	163	168	173	178	183	188	193	198	203	208	212	217	222	227	232	237	242	247	252	257	262	267
5'0"	97	102	107	112	118	123	128	133	138	143	148	153	158	163	168	174	179	184	189	194	199	204	209	215	220	225	230	235	240	245	250	255	261	266	271	276
5'1"	100	106	111	116	122	127	132	137	143	148	153	158	164	169	174	180	185	190	195	201	206	211	217	222	227	232	238	243	248	254	259	264	269	275	280	285
5'2"	104	109	115	120	126	131	136	142	147	153	158	164	169	175	180	186	191	196	202	207	213	218	224	229	235	240	246	251	256	262	267	273	278	284	289	295
5'3"	107	113	118	124	130	135	141	146	152	158	163	169	175	180	186	191	197	203	208	214	220	225	231	237	242	248	254	259	265	270	278	282	287	293	299	304
5'4"	110	116	122	128	134	140	145	151	157	163	169	174	180	186	192	197	204	209	215	221	227	232	238	244	250	256	262	267	273	279	285	291	296	302	308	314
5'5"	114	120	126	132	138	144	150	156	162	168	174	180	186	192	198	204	210	216	222	228	234	240	246	252	258	264	270	276	282	288	294	300	306	312	318	324
5'6"	118	124	130	136	142	148	155	161	167	173	179	186	192	198	204	210	216	223	229	235	241	247	253	260	266	272	278	284	291	297	303	309	315	322	328	334
5'7"	121	127	134	140	146	153	159	166	172	178	185	191	198	204	211	217	223	230	236	242	249	255	261	268	274	280	287	293	299	306	312	319	325	331	338	344
5'8"	125	131	138	144	151	158	164	171	177	184	190	197	203	210	216	223	230	236	243	249	256	262	269	276	282	289	295	302	308	315	322	328	335	341	348	354
5'9"	128	135	142	149	155	162	169	176	182	189	196	203	209	216	223	230	236	243	250	257	263	270	277	284	291	297	304	311	318	324	331	338	345	351	358	365
5'10"	132	139	146	153	160	167	174	181	188	195	202	209	216	222	229	236	243	250	257	264	271	278	285	292	299	306	313	320	327	334	341	348	355	362	369	376
5'11"	136	143	150	157	165	172	179	186	193	200	208	215	222	229	236	243	250	257	265	272	279	286	293	301	308	315	322	329	338	343	351	358	365	372	379	386
6'0"	140	147	154	162	169	177	184	191	199	206	213	221	228	235	242	250	258	265	272	279	287	294	302	309	316	324	331	338	346	353	361	368	375	383	390	397
6'1"	144	151	159	166	174	182	189	197	204	212	219	227	235	242	250	257	265	272	280	288	295	302	310	318	325	333	340	348	355	363	371	378	386	393	401	408
6'2"	148	155	163	171	179	186	194	202	210	218	225	233	241	249	256	264	272	280	287	295	303	311	319	326	334	342	350	358	365	373	381	389	396	404	412	420
6'3"	152	160	168	176	184	192	200	208	216	224	232	240	248	256	264	272	279	287	295	303	311	319	327	335	343	351	359	367	375	383	391	399	407	415	423	431
6'4"	156	164	172	180	189	197	205	213	221	230	238	246	254	263	271	279	287	295	304	312	320	328	336	344	353	361	369	377	385	394	402	410	418	426	435	443

Source: Adapted from Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults: The Evidence Report