

# Appendix A

07/21/08

## Functional Needs Evacuation Framework\*

### CMIST

The following are functions defined as disaster criteria for “People with Disabilities and Elderly (PWD/E). The CMIST Functional Based Framework provides criteria for meeting the following needs of PWD/E disaster victims.

- Communication
- Medical
- Maintaining functional *Independence*
- Supervision
- Transportation

| <b>Communication Needs</b>  |   |
|---|---|
| <b>WHO</b>  | <b>HOW</b>  |
| <p>Large populations who may not be able to:</p> <ul style="list-style-type: none"> <li>• Hear verbal announcements</li> <li>• See directional signage to assistance services</li> <li>• Understand how to get food, water, and other assistance because of limitations in:                             <ul style="list-style-type: none"> <li>○ Hearing</li> <li>○ Seeing</li> </ul> </li> <li>• May have difficulties understanding (cognitive, intellectual)</li> </ul> <p>These populations will be ethnically diverse</p> <p>Have:</p> <ul style="list-style-type: none"> <li>• Reduced or no ability to speak, see, and hear</li> <li>• Limitations in learning and understanding</li> <li>• Limited or no ability to speak, read, or understand English</li> </ul> | <ul style="list-style-type: none"> <li>• Post content of oral announcements in a specified public area</li> <li>• Designate specific times and places where language and sign language interpreters will be available</li> <li>• Provide language interpreters</li> </ul> |
| <b>Medical Needs</b>  |   |
| <b>WHO</b>  | <b>HOW</b>  |
| <p>Those who do not have or have lost adequate support from family or friends and need assistance with:</p> <ul style="list-style-type: none"> <li>• Managing unstable, chronic, terminal, or contagious conditions that require observation and ongoing medical treatment</li> <li>• Managing medications, intravenous IV therapy, tube feeding and monitoring of vital signs</li> <li>• Dialysis, oxygen, and suction administration</li> <li>• Managing wounds</li> <li>• Operating power-dependent equipment to sustain life</li> </ul>   | <p>Provide medical staff:</p> <ul style="list-style-type: none"> <li>• Doctors</li> <li>• Nurses</li> <li>• Nurses Aides</li> <li>• EMTs</li> <li>• Personnel trained to determine level of medical assistance necessary</li> </ul>                                       |

| <b>Maintaining Functional Independence</b>   |   |
|--|---|
| <b>WHO</b>   | <b>HOW</b>  |
| At risk individual who, when identified early and needs are addressed, avoid costly deterioration of health and mobility. Addressing needs can prevent health problems and avoid institutionalization  | By replacing: <ul style="list-style-type: none"> <li>• Essential medications</li> <li>• Lost/damaged equipment (wheelchairs, scooters, walkers, etc.)</li> <li>• Essential supplies (catheters, Ostomy supplies, etc.)</li> </ul> Provide assistance with orientation to shelter facilities for those with visual limitations   |
| <b>Supervision</b>   |   |
| <b>WHO</b>   | <b>HOW</b>  |
| People who <ul style="list-style-type: none"> <li>• Do not have or have lost adequate support from family or friends</li> <li>• With conditions such as dementia, Alzheimer's, psychiatric conditions such as schizophrenia, intense anxiety, etc.</li> <li>• Decompensate because of transfer trauma and stressors that exceed their ability to cope and function in a new environment</li> <li>• Must be determined on a case-by-case basis<br/><i>Example: After an emergency some people with mental illness may be able to function well with healthy responses and coping skills, while others with serious and persistent mental illness may need a protected and supervised setting</i></li> <li>• Unaccompanied children</li> <li>• Prisoners?</li> </ul> | Provide <ul style="list-style-type: none"> <li>• NGO/CBO volunteers</li> <li>• Public security officers (Law Enforcement)</li> <li>• Private security</li> <li>• Hired Security Officer</li> <li>• Emergency shelter personnel</li> <li>• PA's</li> </ul>   |
| <b>Transportation</b>  |   |
| <b>WHO</b>   | <b>HOW</b>  |
| People who: <ul style="list-style-type: none"> <li>• People who cannot drive due to: <ul style="list-style-type: none"> <li>○ Disability</li> <li>○ Age</li> <li>○ Poverty</li> <li>○ Addictions</li> <li>○ Legal restrictions (i.e. DUI's)</li> </ul> </li> <li>• Zero vehicle households</li> </ul>  | Provide transportation: <ul style="list-style-type: none"> <li>• Public transportation: <ul style="list-style-type: none"> <li>○ Transit buses</li> <li>○ Light rail (questionable if electricity is affected)</li> <li>○ School buses</li> </ul> </li> <li>• Private transportation (cars, vans, etc.) <ul style="list-style-type: none"> <li>○ Volunteers</li> <li>○ NGO/CBO personnel</li> </ul> </li> <li>• Emergency transportation <ul style="list-style-type: none"> <li>○ Law enforcement (i.e. Police, Sheriff, CHP, etc.)</li> <li>○ Ambulance (medical, etc.)</li> </ul> </li> </ul> |

**\*Adapted from:**

**Kailes, J., Enders, A., (2007) A function0based framework for emergency management and planning. JDPS, 2007. 17: p. 230-237**