

Sub-Element 1.e— Equipment and Supplies to Support Operations

<p>What the Policy Says</p>	<p>Intent This sub-element derives from NUREG-0654, which provides that Offsite Response Organizations (OROs) have emergency equipment and supplies adequate to support the emergency response.</p> <p>Criterion 1.e.1: Equipment, maps, displays, dosimetry, potassium iodide (KI), and other supplies are sufficient to support emergency operations. (NUREG-0654, H.7,10; J.10.a, b, e, J.11; K.3.a).</p> <p>Minimum Frequency Criterion 1.e.1 is to be evaluated every exercise.</p> <p>Extent of Play Equipment within the facility (facilities) should be sufficient and consistent with the role assigned to that facility in the ORO's plans and/or procedures in support of emergency operations. Use of maps and displays is encouraged.</p> <p>All instruments should be inspected, inventoried, and operationally checked before each use. Instruments should be calibrated in accordance with the manufacturer's recommendations. Unmodified CDV-700 series instruments and other instruments without a manufacturer's recommendation should be calibrated annually. Modified CDV-700 instruments should be calibrated in accordance with the recommendation of the modification manufacturer. A label indicating such calibration should be on each instrument, or calibrated frequency can be verified by other means. Additionally, instruments being used to measure activity should have a range of readings sticker affixed to the side of the instrument. The above considerations should be included in 4.a.1 for field team equipment; 4.c.1 for radiological laboratory equipment (does not apply to analytical equipment); reception center and emergency worker facilities' equipment under 6.a.1; and ambulance and medical facilities' equipment under 6.d.1.</p> <p>Sufficient quantities of appropriate direct-reading and permanent record dosimetry and dosimeter chargers should be available for issuance to all categories of emergency workers that could be deployed from that facility. Appropriate direct-reading dosimetry should allow individual(s) to read the administrative reporting limits and maximum exposure limits contained in the ORO's plans and procedures. Dosimetry should be inspected for electrical leakage at least annually and replaced, if necessary. CDV-138s, due to their documented history of electrical leakage problems, should be inspected for electrical leakage at least quarterly and replaced if necessary. This leakage testing will be verified during the exercise, through documentation submitted in the Annual Letter of Certification, and/or through a staff assistance visit.</p> <p>Responsible OROs should demonstrate the capability to maintain inventories of KI sufficient for use by emergency workers, as indicated on rosters; institutionalized individuals, as indicated in capacity lists for facilities; and, where stipulated by the plan and/or procedures, members of the general public (including transients) within the plume pathway EPZ.</p>
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	<p>Quantities of dosimetry and KI available and storage locations(s) will be confirmed by physical inspection at storage location(s) or through documentation of current inventory submitted during the exercise, provided in the Annual Letter of Certification submission, and/or verified during a Staff Assistance Visit. Available supplies of KI should be within the expiration date indicated on KI bottles or blister packs. As an alternative, the ORO may produce a letter from a certified private or State laboratory indicating that the KI supply remains potent, in accordance with U.S. Pharmacopoeia standards.</p> <p>At locations where traffic and access control personnel are deployed, appropriate equipment (for example, vehicles, barriers, traffic cones and signs, etc.) should be available or their availability described.</p> <p>All activities must be based on the ORO's plans and procedures and completed as they would be in an actual emergency, unless noted above or otherwise indicated in the Extent of Play agreement.</p>
<p>Preparing to Evaluate This Criterion</p>	<p>Before the exercise, determine, according to the ORO's plan/procedures and the Extent of Play agreement:</p> <ul style="list-style-type: none"> • What types of displays should be used? • If dosimetry is to be issued at the evaluation location, what types and quantities of dosimetry should be available and where are they located before distribution? To whom would the dosimeters be returned at the end of the emergency? • Is an administrative exposure limit specified? • Will the available direct reading dosimeters (DRDs) allow for the reading of the exposure limit? • Does the plan/procedure describe a dosimeter correction factor? • What types and quantities of survey instruments should be available? • What types and quantities of barricades and other equipment for access and traffic control should be available?
<p>During the Exercise</p>	<p>During the exercise, in addition to evaluating activities related to the items listed above, be sure to:</p> <ul style="list-style-type: none"> • Note any displays used by the ORO. • If instructed, verify the quantities of DRDs and TLDs, and the testing/calibration dates of DRDs and survey instruments. • If instructed, verify that field instruments have been calibrated in accordance with manufacturers' specifications or at least annually. • If instructed, verify annual leakage checks for mR DRDs., and quarterly leakage checks for CDV-138's. • If instructed, verify that there are sufficient quantities of KI within the expiration date for those who may need to take it. (If KI is beyond the expiration date, does the ORO have a letter from a certified private or State laboratory indicating that the supply is still potent?) • If instructed, verify that appropriate equipment, e.g., barriers, cones, etc., is available for traffic and access control activities.