



PRACTICAL SKILL: Making the Hydrant Connection using Large Diameter Hose

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Skill Level:	Firefighter I
Objective:	Making the Hydrant Connection – 2019 Edition, NFPA 1001, 4.3.15 Given a hose load, hydrant and hydrant bag, the student shall make a hydrant connection using the prescribed method whilst wearing Full PPE less SCBA and without coaching.
Materials Provided:	Fire Department Pumper (equipped with large-diameter hose), Storz to 4-1/2" Female Threaded Swivel Adapter, Two (2) Storz Spanner Wrenches, One (1) Hydrant Wrench, and Operable Fire Hydrant
Materials Needed:	Complete Set of Personal Protective Equipment and Self-Contained Breathing Apparatus (SCBA)
Instructions:	<p>To maintain consistency please judge the skill demonstration <u>closely and solely</u> by the criteria set out in this form.</p> <p>Provide written feedback comments at the end of the form. Debrief the outcome with the Firefighter Candidate, letting them know what they did correctly and how they can improve. If any element is not performed correctly assign them a FAIL and sign the bottom of the evaluation form. If they perform all elements correctly <u>and</u> you are confident they can repeat this performance to the same level, assign them a PASS and sign the bottom of the evaluation sheet.</p> <p><i>The student sits in the rear seat on the officer's side of the Engine. The Engine is stationary, staged approximately 3 m past the hydrant, and the order to make the hydrant is given. The assessment of the student begins when he/she leaves the jump seat.</i></p> <p>The student shall make the hydrant connection by:</p> <ul style="list-style-type: none">• deploying one (1) section of Large-Diameter Hose (LDH) from the fire department Engine to the fire hydrant and• making both the hydrant connection and the Engine intake connection, <p>The evaluation will be complete when the hydrant has been opened and the hose has been charged. Upon completion, the student must close the hydrant, disconnect and drain the hose, and load the hose. The student may employ the assistance of other students and the instructor during the cleanup phase of this evaluation.</p>
Safety:	Ensure student safety by encouraging proper lifting techniques.
References:	2019 Edition, NFPA 1001, 4.3.15. IFSTA Essentials 7 th Ed. Chapter 13



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Student Name: _____ **Date:** _____

Criteria:	Incorrect	Correct	
1. Steps off the Engine (3 point contact)	Fails to maintain 3 point contact	Maintains 3 point contact <input type="checkbox"/>	/1
2. Assembles correct tools and places at the hydrant (hydrant wrench and spanners or hydrant bag)	Fails to place hydrant bag at or near hydrant	Hydrant bag is near hydrant <input type="checkbox"/> and allows easy access <input type="checkbox"/>	/2
3. Steps onto tailboard. Places the 125 mm hose under an arm, across their chest,	Fails to grab supply hose	Places hose as prescribed <input type="checkbox"/>	/1
4. Advance to the hydrant, and pull an additional 3 m of hose to wrap around the hydrant.	Fails to advance to the hydrant	Advances to hydrant <input type="checkbox"/> and pulls sufficient hose <input type="checkbox"/>	/2
5. Places the hose halfway around the hydrant, folding the coupling back on the hose. Snub the hose with foot.	Fails to wrap hydrant or snub using foot. Stands in bite.	Places coupling halfway around the hydrant <input type="checkbox"/> and snubs hose <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/4
6. Flush hydrant briefly to check for debris and adequate flow	Fails to flush hydrant	Flushes hydrant briefly <input type="checkbox"/>	/1
7. Signal the Engine operator to proceed.	Fails to signal	Signals as prescribed <input type="checkbox"/>	/1
8. Makes hydrant connection (using LD hose adapter and applying 65 mm hydrant gate to port farthest from the fire)	Fails to complete	Hydrant connection made <input type="checkbox"/> and 65mm hydrant gate on farthest from fire <input type="checkbox"/>	/2
9. Removes kinks from hose section	Fails to remove folds and kinks	Remove folds and kinks <input type="checkbox"/>	/1
10. Makes Engine intake connection to intake valve	Fails to make Engine connection	Makes engine connection <input type="checkbox"/>	/1
11. Opens fire hydrant (completely and slowly Leaves hydrant wrench on spindle)	Opens hydrant without confirmation from Engine operator	Hydrant open on confirmation <input type="checkbox"/> and wrench on spindle <input type="checkbox"/>	/2
12. Removes any remaining kinks in hose & checks for leaks at hydrant connection (must check gasket if leaking)	Fails to straighten all kinks, tighten all leaks, and report to officer	Straightens all kinks <input type="checkbox"/> tightens all leaks <input type="checkbox"/> and reports to officer <input type="checkbox"/>	/3
Outcome: (circle one) A score of 17/21 correct to achieve a pass.			/21
	Fail	Pass	



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Evaluating Officer Signature	Firefighter Candidate Signature
Evaluating Officer Name	