

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 25-1

SKILL SHEET 25-1	Pre-Incident Survey		
OBJECTIVE:	NFPA 1001, 5.5.3	FEH Chapter: 25	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Hydrant chart 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Candidate will perform a pre-incident survey.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	Candidate presents a professional image to the property owner.		
	Candidate starts on the outside of the structure and sketches out a floor plan, or confirms blueprints provided by owner.		
	Candidate notes building location, water supply, special features, utilities and hazards.		
	Candidate notes all fire suppression equipment and interior layout of the structure.		
	Candidate properly fills out supplied form.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet 25-2

SKILL SHEET 25-2		Hydrant Flow Test	
OBJECTIVE:		NFPA 1001, 5.5.3	FEH Chapter: 25
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> Hydrant chart 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Candidate will perform a hydrant flow test.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Select the two hydrants nearest the property in question. Designate one as a pressure hydrant and the other as a flow hydrant.		
	View the area around the flow hydrant to ensure that precautions are taken to avoid property, pedestrian, and vehicular damage from discharging water.		
	Take one 2 1/2 inch cap off the pressure hydrant and tighten its other caps.		
	Attach the cap gauge to the pressure hydrant.		
	Open the pressure hydrant fully and bleed off trapped air.		
	Record the pressure (psi) shown on cap gauge.		
	Remove one 2 1/2 inch cap from the flow hydrant and tighten its other caps.		
	Measure the orifice size (inside diameter) to the nearest 1/16 inch.		
	Feel the interior of the nozzle butt where it is attached to the barrel, and compare it with those pictured in fig. 29-6 to determine its discharge coefficient.		

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	Open flow hydrant fully.		
	Wait for constant clear and consistent flow (no trapped air) and place the pitot tube in the stream following the placement criteria.		
	Place the orifice on the pitot blade in the center of the stream, and place the edge of the pitot blade one-half the diameter of the nozzle butt away from the nozzle butt. Take the velocity pressure reading (psi) and record.		
	Take and record a second pressure reading (residual pressure) on the pressure hydrant while taking the pitot reading on the flow hydrant.		
	Slowly close both hydrants (at the same time, open the bleed-off cock on the pressure hydrant to allow for proper drainage).		
	Verify that both hydrants have drained fully by making sure water has passed below the level of the steamer (pumper connection). Replace caps and tighten.		
	Now calculate and chart your results.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

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OBJECTIVE:		NFPA 1001, 5.5.3	FEH Chapter: 25
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Download Online Pre-Incident Survey Forms 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Student will perform a pre-incident survey by project	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The student will need to develop a pre-incident plan		
	They will need to include photos, a sketch of a site plan and building dimensions		
	They will need to identify hazards, water sources and suppression systems		
	Students will need to upload all information to be graded		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			