

HAZARDOUS MATERIALS INCIDENT COMMANDER

PRACTICAL SKILLS MATERIALS

Based on *NFPA 1072: Standard for Hazardous
Materials/ Weapons of Mass Destruction Emergency
Response Personnel Professional Qualifications*, 2017
Edition.



ALABAMA FIRE COLLEGE

DECEMBER, 2018



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Hazardous Materials Incident Commander

Grading Rubric
NFPA 1072, 2017 Edition
(Revised 12/11/18)

Project completion must be the original work of the individual/group. Submissions are required in Microsoft Office or Adobe PDF format. The Projects are developed to meet the intent of the standard and prepare the individual to function as a Hazardous Materials Incident Commander. The Project work is evaluated by an evaluator not involved with the instruction of the course.

Project Number	Points Possible
Project 1 - Hazard & Risk Analysis – 8.2.1 (Group Project)	8
Project 2 - Determine Harm/Route of Entry- 8.2.1, 8.5.1 (Group Project)	8
Project 3 - Generate Site Safety Plan – 8.4.1(Group Project)	8
Project 4 - Incident Command Structure – 8.4.1 (Group Project)	8
Project 5 - Site Management Activities – 8.4.1 (Group Project)	8
Project 6 - General Hazardous Materials Behavior Model - 8.5.1 (Group Project)	8
Project 7 - PPE Compatibility – 8.3.1 (Group Project)	8
Project 8 - Effective Communication & Information Management 8.4.1(Group Project)	8
Project 9 - Incident Action Plan – 8.3.1, 8.5.1 (Group Project)	8
Project 10 - Incident Termination Recovery Operations – 8.4.1, 8.6.1 (Group Project)	8
Final Project (11) - NFPA 1072 – 8.2.1, 8.5.1, 8.6.1 (Group Project)	10
Completes and submits Peer Review	10
Total Points Possible	100

Project 1 - Hazard & Risk Analysis	Points Possible
<ul style="list-style-type: none"> • Correctly completes Section 3 of the ICS 208HM form; adequately utilizes reference materials (1 point) • Adequately answers questions on Vulnerability Analysis (2 point) • Adequately answers questions on Hazard Analysis (2 point) • Completes Emergency Response Evaluation (2 point) • Participates in class discussion of answers (1 points) • Points deducted if not completed in 30 minutes 	8 Points
Total Points Possible	8

Project 2 - Determine Harm/Route of Entry	Points Possible
<ul style="list-style-type: none"> • Utilizes given resources to determine harm/hazards/route of entry associated with product assigned (1 point) • Adequately completes Harm/Route form for given product (4 points) • Participates in class discussion of answers (1 point) • Completes exercise in time given (2 point) • Points deducted if not completed in 20 minutes 	8 Points
Total Points Possible	8

Project 3 - Generate Site Safety Plan	Points Possible
<ul style="list-style-type: none"> • Adequately completes assigned sections of the ICS 208HM form (2 point) • Correctly utilizes provided resources to research assigned product (2 point) • Participates in class discussion of answers (2 point) • Group presents solutions & safety briefing on assigned product (2 point) • Points deducted if not completed in 30 minutes 	8 Points
Total Points Possible	8

Project 4 - Incident Command Structure	Points Possible
<ul style="list-style-type: none"> • Adequately completes ICS 203 form, correctly drawing command structure for the incident (2 point) • Adequately completes ICS 207 form, utilizing resources from provided list (2 point) • Participates in class discussion of answers (2 point) • Correctly answers questions at end of exercise (2 point) • Points deducted if not completed in 20 minutes 	8 points
Total Points Possible	8

Project 5 - Site Management Activities	Points Possible
<ul style="list-style-type: none"> • Adequately completes ICS 204 form, including sketch with locations of: (2 point) <ul style="list-style-type: none"> • Hazard control zones, based on product assigned • Isolation perimeter • Hot, warm & cold zones • Decontamination corridor • Staging area • Command Post • Area of safe refuge • Triage area • Adequately completes site management on ICS 205HM form, demonstrating the ability to direct the resources safely & efficiently, including how & where, completes ICS 204 form (2 point) • Correctly completes end of exercises questions (2 point) • Participates in class discussion of answers (2 point) • Points deducted if not completed in 45 minutes 	8 points
Total Points Possible	8

Project 6 - General Hazardous Materials Behavior Model	Points Possible
<ul style="list-style-type: none"> • Adequately completes the ICS 208HM form, sections 19-24 (1 point) • Correctly completes the general Hazardous Materials Behavior Model for assigned container (2 point) • Completes Product Data Sheet for assigned product (2 point) • Correctly answers questions at end of exercise (2 point) • Participates in class discussion of answers (1 point) • Points deducted if not completed in 45 minutes 	8 points
Total Points Possible	8

Project 7 - PPE Compatibility	Points Possible
<ul style="list-style-type: none"> • Adequately completes the ICS 215a (2 point) • Determine the appropriate PPE, based on the assigned product (1 point) • Determines appropriate style of PPE, based on compatibility charts (2 point) • Correctly answers questions at the end of exercise (2 point) • Participates in class discussion of answers (1 point) • Points deducted if not completed in 30 minutes 	8 points
Total Points Possible	8

Project 8 - Effective Communication & Information Management	Points Possible
<ul style="list-style-type: none"> • Participates in exercises to correctly assemble copy of provided structure (2 point) • Team builds matching structure & presents to group (4 points) • Teams follows rules of engagement using only verbal communication (1 point) • Participates in class discussion of answers (1 point) • Points deducted if not completed in 30 minutes 	8 points
Total Points Possible	8

Project 9 - Incident Action Plan	Points Possible
<ul style="list-style-type: none"> • Adequately develop an Incident Action Plan, including safety & control plan (4 points) • Correctly completes ICS 202 form (2 point) • Correctly determines appropriate mode of operation using strategic goals supplied (1 point) <ul style="list-style-type: none"> • Presentation of Incident Action Plan • Participates in class discussion of answers (1 point) • Points deducted if not completed in 45 minutes 	8 points
Total Points Possible	8

Project 10 - Incident Termination Recovery Operations	Points Possible
<ul style="list-style-type: none"> • Correctly identifies liability issues for: (1 point) <ul style="list-style-type: none"> • Planning • Training • Identification of hazards • Duty to warn • Negligent operations • Adequately conducts & completes debrief activities to include (2 point) <ul style="list-style-type: none"> • Product • Equipment • Apparatus repairs • Unsafe conditions • Adequately develops & completes Post-Incident Analysis activities to include (2 point) <ul style="list-style-type: none"> • Reconstruction of incident • Command & control issues • Tactical operations • Resources & support services • Plans, procedures & training required • Demonstrates the ability to report & document the incident • Develop critique activities; implement the procedure for conducting a critique; including incident & areas needed for improvement (2 point) • Participates in class discussion of answers (1 point) 	8 points
Total Points Possible	8

Final Project	Points Possible
<ul style="list-style-type: none"> • Completes required paperwork correctly (2 point) <ul style="list-style-type: none"> • Estimate potential outcome • Identify response objectives • Identify potential response options • Select proper level of PPE • Develop an IAP • Implement Incident Command System • Provide Press Release • Provide steps for evaluating progress of IAP • Transfer command • Develop debriefing outline • Develop multi-agency critique • Document & report the incident • Completes required power point presentation; including summary of assigned scenario & solutions (2 point) • Participates in group presentation (2 point) • Successfully demonstrates understanding of ICS forms (2 point) • Participates in class discussion of answers (2 point) 	10 points
Total Points Possible	10

Peer Review	Points Possible
Evaluation completed by each group member <ul style="list-style-type: none"><li data-bbox="240 268 623 296">• 90-100% = 10 points<li data-bbox="240 302 610 329">• 80-89% = 8 points<li data-bbox="240 336 610 363">• 70-79% = 6 points<li data-bbox="240 369 610 396">• 60-69% = 4 points<li data-bbox="240 403 610 430">• 50-59% = 2 points	10
Total Points Possible	10



Hazardous Materials Incident Commander Projects Grade Sheet

(NFPA 1072, 2017 edition)

Revised 12/10/18

(Proctors: Collect Project Grade Sheet & project work ONLY if AFC_Online is NOT being used for project submission)

Student ID: _____

Student Name: _____

Group Assignment: _____

Graded Item	JPRs	Possible Points	Final Score
Project 1 – Hazard & Risk Analysis	8.2.1	8	
Project 2 –Determine Harm/Route of Entry	8.2.1, 8.5.1	8	
Project 3 –Generate Incident Site Safety Plan	8.4.1	8	
Project 4 –Incident Command Structure	8.4.1	8	
Project 5 –Site Management Activities	8.5.1	8	
Project 6 –General Materials Behavior Model	8.3.1	8	
Project 7 –PPE Compatibility	8.4.1	8	
Project 8 –Effective Communication & Information Management	8.4.1	8	
Project 9 –Incident Action Plan	8.3.1, 8.5.1	8	
Project 10 –Incident Termination Recovery Operations	8.4.1, 8.6.1	8	
Final Project	8.2.1, 8.5.1, 8.6.1	10	
Student Peer Evaluation Form		10	
Total Project Points		100	

Student's Signature

Instructor's Printed Name & Signature

Certification Evaluator's Printed Name & Signature



Alabama Fire College Hazardous Materials Incident Command

Student Peer Review

Points: 10

Guidelines for Assigning Grades

- 90-100% Work turned into the group on time and is of high quality
 Member contributed totally to group goals
 Member enthusiastic and exhibited a willingness to cooperate
 Member worked well with team concept
 Member willing to compromise to achieve goals

- 80-89% Work is turned in late rarely but is of good quality
 Member contributed to goals and is able to compromise to meet group goals

- 70-79% Work is turned in late occasionally and is of average quality
 Member contributed but with little cooperation within the group
 Member exhibited minimal interest in group project

- Below 70% Member did not contribute to group goals with little or no work contributed
 Member exhibited no appreciation for group goals
 Member could not function in group situation
 Member did more harm than good

Your Name: _____

Peer Evaluation per Project

Name of Team Member	1	2	3	4	5	6	7	8	9	10	Final Project

Comments: _____