Regional Training on Health and Safety in South Asia

26–29 August 2024 • Colombo, Sri Lanka

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ADB

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ADB Health, Safety and Security (HSS)

Awareness Training Course

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MODULE 7
Emergency Preparedness & Response

Understand the best practices involved in emergency management.

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Emergency Classification
Level 1- Minor

Any unplanned HSS incident that can be managed with **on-site resources**.

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Emergency Classification
Level 2 - Severe

Any uncontrolled HSS event that is **contained on-site but requires external assistance** and has the potential to escalate…

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Emergency Classification
Level 3 – Major/Extreme

This is an uncontrolled crisis-level event that has **serious effects beyond the site, and requires external resources** typically utilized in a large-scale emergency.

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Incident Command System - ICS

Internationally recognized “**ICS**”

- Standardized roles
- Common terminology
- Scalable up or down…

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“Reacting” to an emergency <u>without</u> ICS…

- Lacks accountability
- Has poor communication
- Unsystematic planning
- Unable to efficiently integrate responders
- “Un-even” Playing Field !

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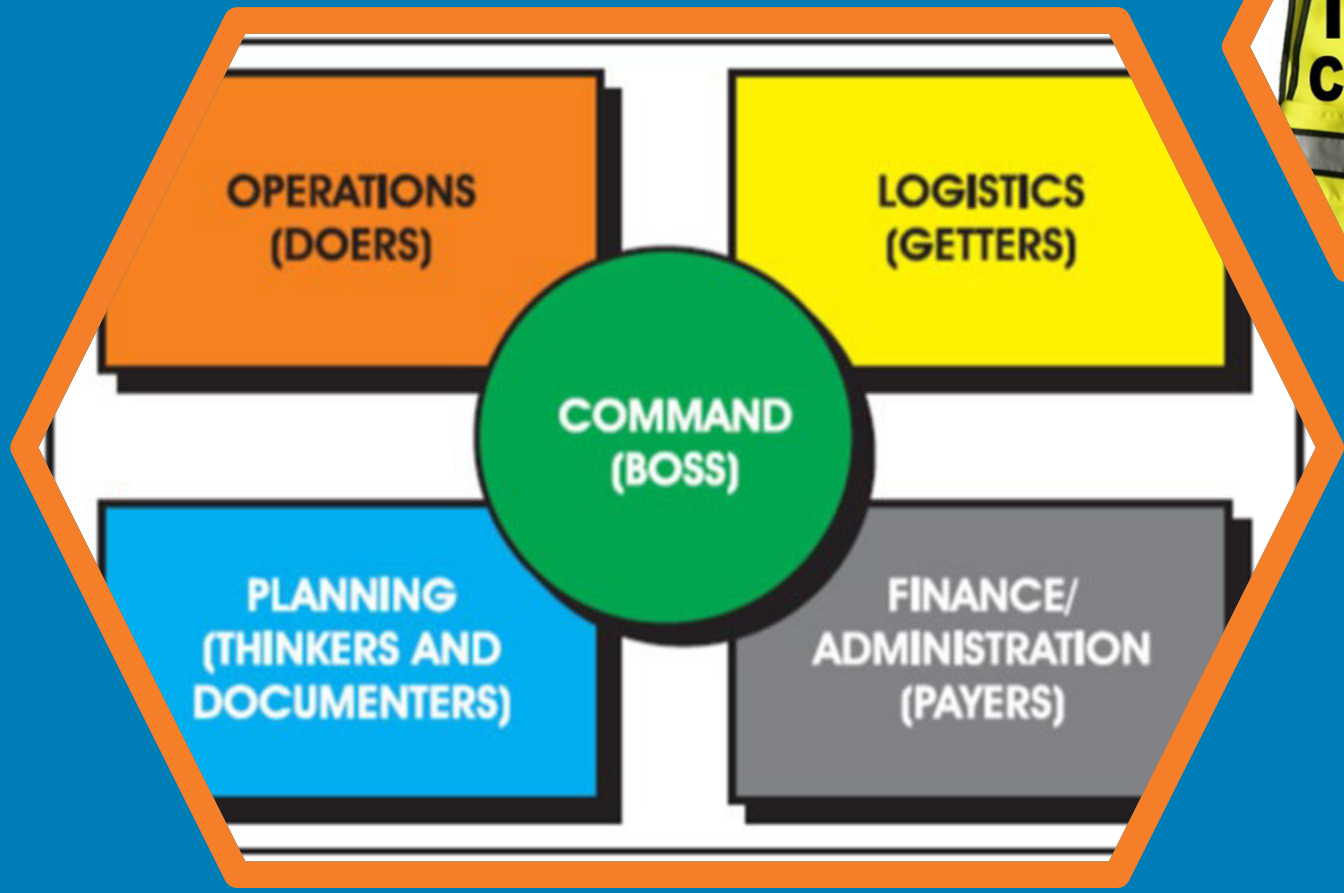
“Responding” to an emergency <u>with</u> ICS ensures:

- safety of responders, workers, and the public
- efficient use of resources



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ICS core positions …

COMMAND	Overall Responsibility
OPERATIONS	Direct Actions
PLANNING	Prepare Action Plans
LOGISTICS	Support Plans
FINANCE/ADMIN	Accounting & Procurement

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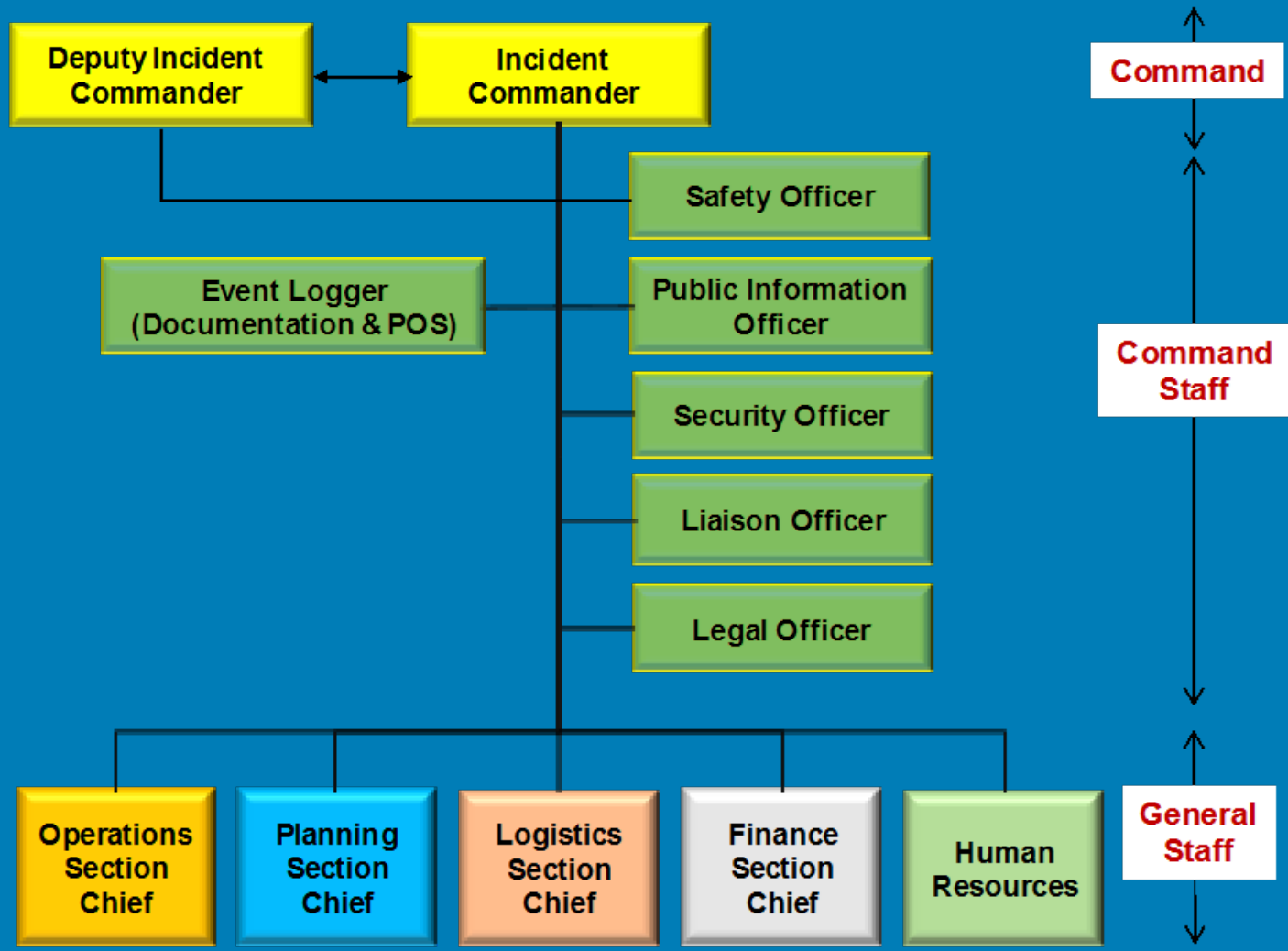
ICS is Scalable …



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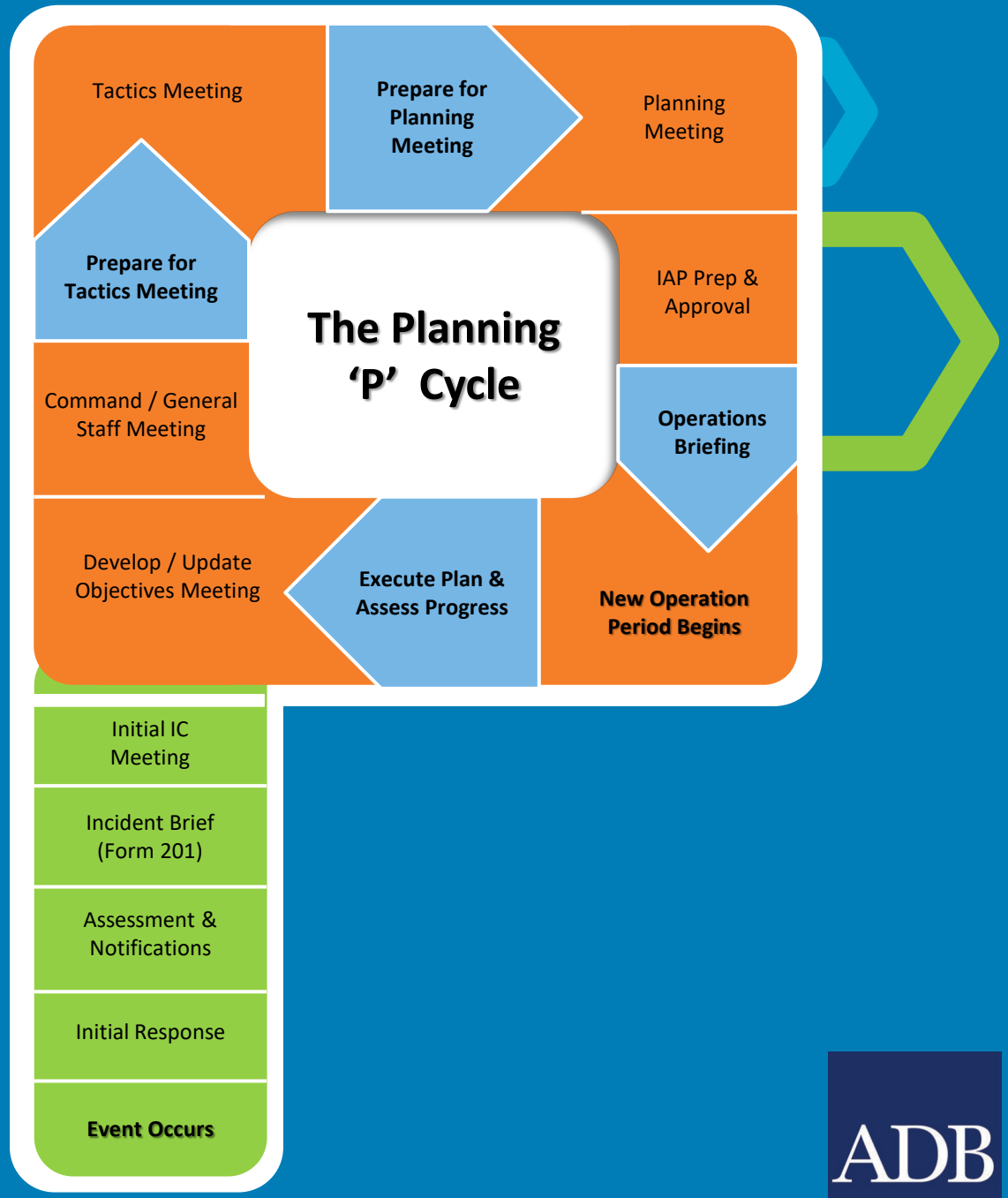
Emergency Response Plans



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Exercise

Effective Communication…

Follow your Supervisor’s instructions as best you can !!!

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Placemats for Response Personnel

Incident Management Team (IMT)

Emergency Response Placemat

Title / Role	Division / Location
Incident Commander	**Corporate / Head Office (Calgary)**

Reporting	Notifications / Communications
Reports to: • Crisis Management Team Leader **Minimum Direct Reports:** • Operations Section Chief • Planning Section Chief • Logistics Section Chief • Finance & Admin Section Chief **Additional Direct Reports:** • Crisis Advisor • Human Resources Advisor • Legal Advisor • EHS Officer • Liaison Officer • Information Officer	**Internal:** • Emergency Management Support Team (EMST) through the EMST Director • Incident Management Team (mobilize) • Internal response resources • Available off-duty personnel • Others as required **External:** • Mutual aid partners and third-party response contractors • Alberta Energy Regulator (AER) • Health Authority • OH&S/WCB • Ministry of Environment

ICS Form Requirements

- Section 7.1.1 ICS 201 – Incident Briefing (Initial Incident Commander
- Section 7.1.2 ICS 202 – Incident Objectives
- Section 7.1.3 ICS 203 – Organization Assignment List
- Section 7.1.12 ICS 214 – Activity Log

Role Overview

The IMT Incident Commander (IC) is the overall Person-in-Charge of the emergency response for all Level 1, 2 & 3 classified emergencies occurring at any AltaGas sites and facilities.

- Assesses the situation and/or obtain a briefing from the prior Incident Commander
- Determine Incident objectives and strategy
- Establish the immediate priorities
- Establish an Incident Command Post
- Establish ICS organization needed to manage the incident
- Approve and authorize the implementation of an Incident Action Plan
- Coordinate activity for all Command and General Staff
- Coordinate with key people and officials
- Approve requests for additional resources or for the release of resources
- Keep agency administrator informed of incident status
- Order the demobilization of the incident when appropriate
- Authorize information release to the media

Initial Actions

Confirm the Level of Emergency and Immediate Response Requirements

- Obtain incident briefing from Operations Section Chief or Site Control Room
  - If first point of contact regarding an emergency, try to establish communications with the person who reported the emergency and complete the Section 2.3 Initial Communication With The AER
- If the BST has not been activated and you are the first point of contact for the BST, notify and activate the Operations Section Chief and establish the EOC.
- Confirm the Emergency Level and communicate the Emergency Level to all responders.
- Gather details of the incident/emergency and evaluate the severity of the situation.
- Confirm the size and location of the response zones. Reference:
  - Section 6.4 Emergency Planning Zones,
  - Section 4.1 Isolation And Monitoring, and
  - Section 4.2 Evacuation And Sheltering
- Determine the initial prioritized objectives for response.
  - This will determine how resources are administered. Public safety and the environment must always be the primary concern.

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ACTIVITY
Emergency Preparedness Case Study

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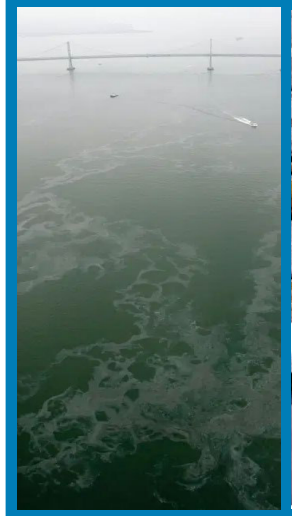
GROUP EXERCISE - Sample Emergency Operations Center Board

UPDATE		LOCATION Halifax Harbour Bridge	TIME	INCIDENT EVENT LOG
DATE: Simulation		Sketches: 	1330 1335 1345 1400 1415 1430 1445 1500	• Ops receives call from Security – fuel tanker truck has crashed and exploded on MacDonald Bridge • HHB Security On-scene: Truck had two people onboard – Passenger Critically Injured, Driver MIA • Several other vehicles were damaged, no other injuries being reported, but First Responders having difficulty navigating congested traffic on bridge • Fire Department On-scene – Fire is out but fuel truck is leaking badly and overflowing into the water • Ambulance has injured passenger under care, Truck Driver found deceased. • Call to HHB CEO from Develop Nova Scotia Halifax Waterfront reporting large oil sheen at boardwalk, absorbent boom and pads have been deployed. • HHB Security reports that the truck had impacted the bridge riser structure causing significant damage to the bridge infrastructure. • Facebook Post and Twitter are reporting a terrorist attack is underway on the MacDonald Bridge, MacKay Bridge is the next likely target…
TIME: 1500 hrs				
Notifications:	**DONE**			
911	✓			
Ambulance	✓			
Fire Dept.	✓			
HPD, HPA	✓			
HHB Mgt & BoD	✓			
HRM	✓			
Halifax Transit	✓			
Waterfront DNS	✓			
DFO/CCG/EC	✓			
JRCC	✓			
Media	TBC			

	PERSONS ON SCENE			RISK ACTION PLANNING	RESOURCES NEEDED
Wind: 15 kts NW	**NUMBER**	**LOCATION**	**MISSING**	• Emergency Services • Security & Traffic Control • Spill Contingency & Notices • Legal Advice, NoK, Media ? • Board of Directors Advice	• Medical • Traffic Control • Fire Fighting • Spill Equipment • Engineering • Media Liaison
Tide: Ebbing	1	Truck	1		
Forecast: Stable	2	HHB	0		
	?	Public	?		

P

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Safety Leadership

*"The **lowest** level of safety a **Supervisor** shows … is the **highest** level you can expect from your **workforce**."*

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Course Assessment

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Health and Safety Knowledge at the end of the training

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