Update that HEMP?

- Take a look at your current HEMP, when was it last updated?
- Is it correct? Lets test it?
- Take a look at the sample HEMP attached for driving, talk through it then complete an exercise for your own activity e.g. excavation?
- Choose an activity from your work
- Look at the Hazards?
- Complete the steps

Fundamentals of HEMP

EXERCISE

Hazard = Vehicle in Motion

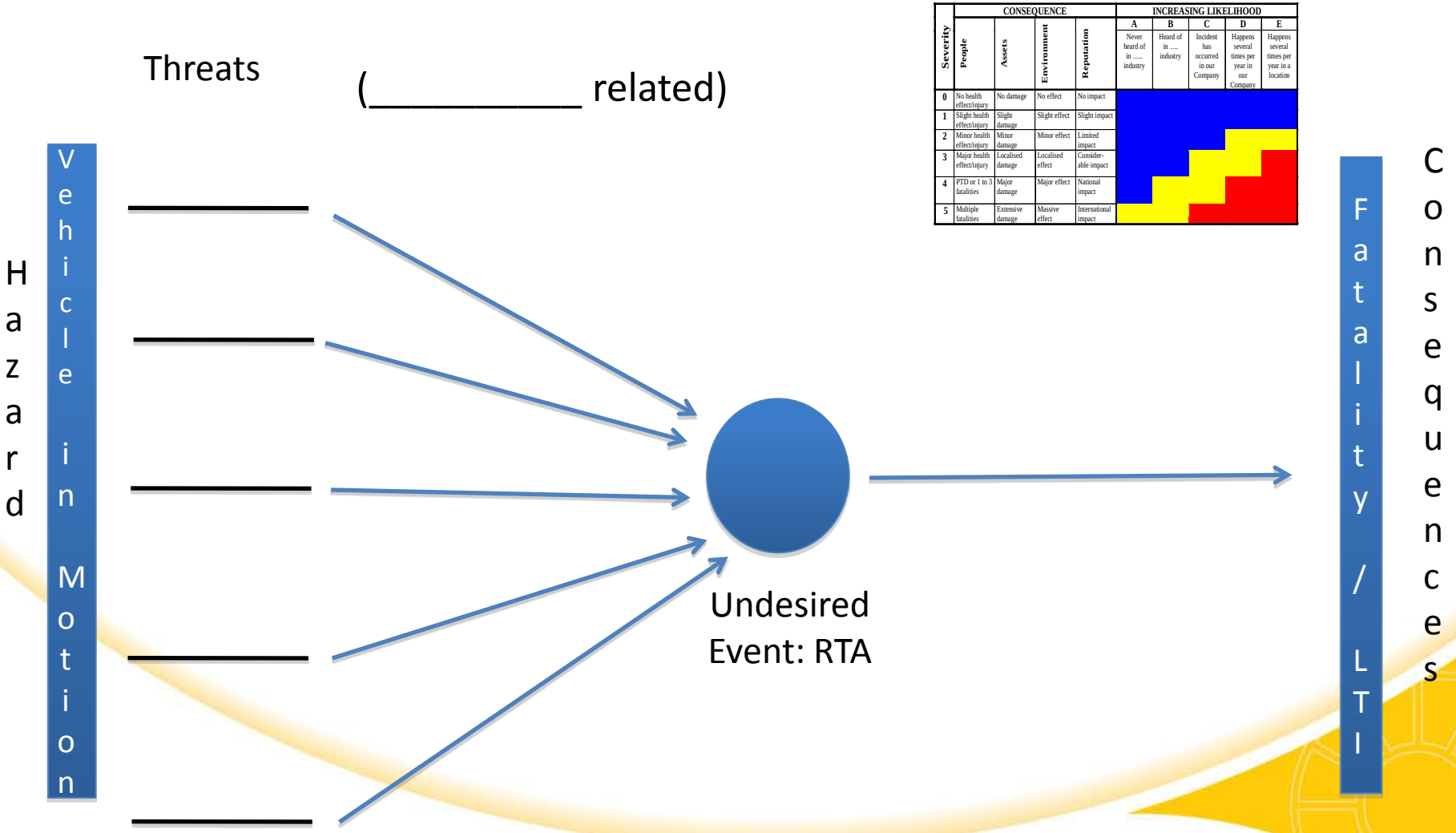
Undesired Event = Driver/Passenger Fatality or LTI

- **List upto five Threats, which may stem from:**
  - ✓ The Driver
  - ✓ The Vehicle
  - ✓ The Load in or on the Vehicle
  - ✓ The Road & The Environment
  - ✓ Other Road Users

Severity	CONSEQUENCE				INCREASING LIKELIHOOD				
	People	Assets	Environment	Reputation	A	B	C	D	E
					Never heard of in ….. industry	Heard of in …. industry	Incident has occurred in our Company	Happens several times per year in our Company	Happens several times per year in a location
0	No health effect/injury	No damage	No effect	No impact					
1	Slight health effect/injury	Slight damage	Slight effect	Slight impact					
2	Minor health effect/injury	Minor damage	Minor effect	Limited impact					
3	Major health effect/injury	Localised damage	Localised effect	Consider-able impact					
4	PTD or 1 to 3 fatalities	Major damage	Major effect	National impact					
5	Multiple fatalities	Extensive damage	Massive effect	International impact					

Road Transport Bow-Tie

Severity	CONSEQUENCE				INCREASING LIKELIHOOD				
	People	Assets	Environment	Reputation	A	B	C	D	E
					Never heard of in ..... industry	Heard of in ..... industry	Incident has occurred in our Company	Happens several times per year in our Company	Happens several times per year in a location
0	No health effect/injury	No damage	No effect	No impact					
1	Slight health effect/injury	Slight damage	Slight effect	Slight impact					
2	Minor health effect/injury	Minor damage	Minor effect	Limited impact					
3	Major health effect/injury	Localised damage	Localised effect	Consider-able impact					
4	PTD or 1 to 3 fatalities	Major damage	Major effect	National impact					
5	Multiple fatalities	Extensive damage	Massive effect	International impact					



Fundamentals of HEMP

Severity	CONSEQUENCE				INCREASING LIKELIHOOD				
	People	Assets	Environment	Reputation	A	B	C	D	E
					Never heard of in ..... industry	Heard of in .... industry	Incident has occurred in our Company	Happens several times per year in our Company	Happens several times per year in a location
0	No health effect/injury	No damage	No effect	No impact					
1	Slight health effect/injury	Slight damage	Slight effect	Slight impact					
2	Minor health effect/injury	Minor damage	Minor effect	Limited impact					
3	Major health effect/injury	Localised damage	Localised effect	Consider-able impact					
4	PTD or 1 to 3 fatalities	Major damage	Major effect	National impact					
5	Multiple fatalities	Extensive damage	Massive effect	International impact					

EXERCISE

Hazard = Vehicle in Motion

Undesired Event/Consequence = Driver/Passenger Fatality or LTI

- **Select One Threat you consider HIGH RISK :**
- **List as many as you can of the Preventative and Mitigation Controls**

Road Transport Bow-Tie

Severity	CONSEQUENCE				INCREASING LIKELIHOOD				
	People	Assets	Environment	Reputation	A	B	C	D	E
					Never heard of in ..... industry	Heard of in .... industry	Incident has occurred in our Company	Happens several times per year in our Company	Happens several times per year in a location
0	No health effect/injury	No damage	No effect	No impact					
1	Slight health effect/injury	Slight damage	Slight effect	Slight impact					
2	Minor health effect/injury	Minor damage	Minor effect	Limited impact					
3	Major health effect/injury	Localised damage	Localised effect	Consider-able impact					
4	PTD or 1 to 3 fatalities	Major damage	Major effect	National impact					
5	Multiple fatalities	Extensive damage	Massive effect	International impact					

High Risk Threat (_____ related)

Hazard

Vehicle at Speed

Undesired Event: RTA

Fatality / LTI

Consequences

Preventative Controls

Mitigation Controls

Your Turn Step 1

Severity	CONSEQUENCE				INCREASING LIKELIHOOD				
	People	Assets	Environment	Reputation	A	B	C	D	E
					Never heard of in ….. industry	Heard of in …. industry	Incident has occurred in our Company	Happens several times per year in our Company	Happens several times per year in a location
0	No health effect/injury	No damage	No effect	No impact					
1	Slight health effect/injury	Slight damage	Slight effect	Slight impact					
2	Minor health effect/injury	Minor damage	Minor effect	Limited impact					
3	Major health effect/injury	Localised damage	Localised effect	Consider-able impact					
4	PTD or 1 to 3 fatalities	Major damage	Major effect	National impact					
5	Multiple fatalities	Extensive damage	Massive effect	International impact					

EXERCISE

Activity

Hazard =

Undesired Event =

- List upto five Threats on the next sheet:

Your Turn step 2

Severity	CONSEQUENCE				INCREASING LIKELIHOOD				
	People	Assets	Environment	Reputation	A	B	C	D	E
					Never heard of in ..... industry	Heard of in .... industry	Incident has occurred in our Company	Happens several times per year in our Company	Happens several times per year in a location
0	No health effect/injury	No damage	No effect	No impact					
1	Slight health effect/injury	Slight damage	Slight effect	Slight impact					
2	Minor health effect/injury	Minor damage	Minor effect	Limited impact					
3	Major health effect/injury	Localised damage	Localised effect	Consider-able impact					
4	PTD or 1 to 3 fatalities	Major damage	Major effect	National impact					
5	Multiple fatalities	Extensive damage	Massive effect	International impact					

Threats (_____ related)

Hazard

Vehicle in Motion

Undesired Event:

Fatality / LTI

Consequences

Your Turn Step 3

Severity	CONSEQUENCE				INCREASING LIKELIHOOD				
	People	Assets	Environment	Reputation	A	B	C	D	E
					Never heard of in ..... industry	Heard of in .... industry	Incident has occurred in our Company	Happens several times per year in our Company	Happens several times per year in a location
0	No health effect/injury	No damage	No effect	No impact					
1	Slight health effect/injury	Slight damage	Slight effect	Slight impact					
2	Minor health effect/injury	Minor damage	Minor effect	Limited impact					
3	Major health effect/injury	Localised damage	Localised effect	Consider-able impact					
4	PTD or 1 to 3 fatalities	Major damage	Major effect	National impact					
5	Multiple fatalities	Extensive damage	Massive effect	International impact					

EXERCISE

Hazard =

Undesired Event/Consequence =

- **Select One Threat you consider HIGH RISK :**
- **List as many as you can of the Preventative and Mitigation Controls on the next sheet**

Your Turn Step 4

Severity	CONSEQUENCE				INCREASING LIKELIHOOD				
	People	Assets	Environment	Reputation	A	B	C	D	E
					Never heard of in ..... industry	Heard of in .... industry	Incident has occurred in our Company	Happens several times per year in our Company	Happens several times per year in a location
0	No health effect/injury	No damage	No effect	No impact					
1	Slight health effect/injury	Slight damage	Slight effect	Slight impact					
2	Minor health effect/injury	Minor damage	Minor effect	Limited impact					
3	Major health effect/injury	Localised damage	Localised effect	Consider-able impact					
4	PTD or 1 to 3 fatalities	Major damage	Major effect	National impact					
5	Multiple fatalities	Extensive damage	Massive effect	International impact					

High Risk Threat (_____ related)

Hazard

Vehicle at Speed

Preventative Controls

Undesired Event:

Mitigation Controls

Fatality / LTI

Consequences