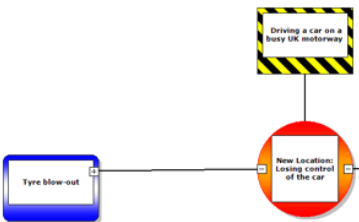
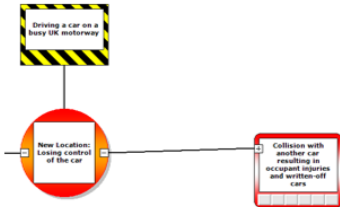
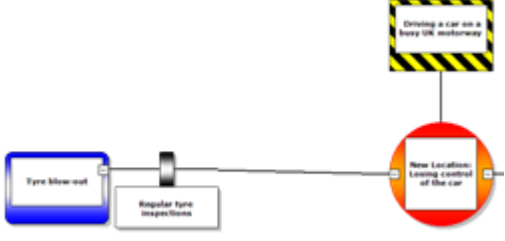
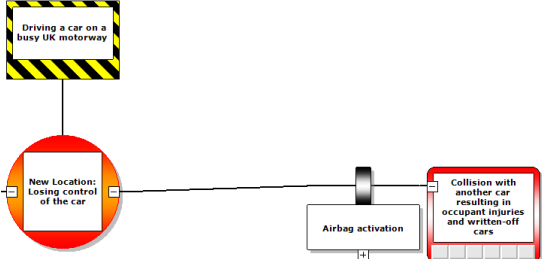


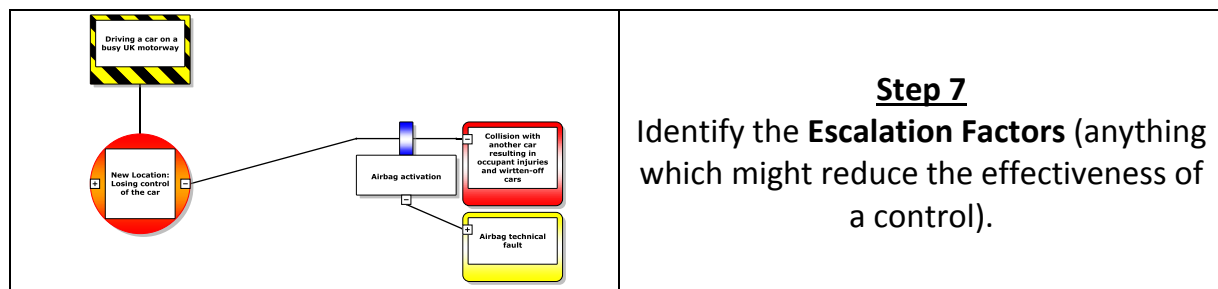
Annex

Creating BowTies – step by step guide

The BowTie risk management methodology introduces some specific terminology that differs from other risk models. It uses Threats, Consequences and Controls, as well as the idea of a 'Top Event' (an undesirable but recoverable event). The barriers (or Controls) are also split into prevention and recovery (pre- and post- Top Event).

The CAA use BowTieXP to generate BowTie models, although the methodology itself can be used in any kind of visual software (or even post it notes on a wall!).

<u>Steps One and Two</u> Define the Hazard (scenario) and Top Event (recoverable consequence).	
	<u>Step Three</u> Identify all the Threats (causes) which could directly lead to the Top Event.
<u>Step Four</u> Identify the Consequences (accident outcomes) which could be directly caused by the Top Event.	
	<u>Step 5</u> Identify the Threat Controls (the mitigations which either prevent the Threat, or prevent the Top Event).
<u>Step 6</u> Identify the Recovery Controls (the mitigations which either prevent the consequence from happening, or reduce the severity).	



Step 8

Once all steps are completed, the resulting model can be used to identify how well each threat or consequence is mitigated, and where extra resources may be necessary.

