**Mishap Review Questions**

**Vehicle & Trailer Flat Tires**

This worksheet will help you use the Five M method to gather data when reviewing a minor vehicle mishap that involves a flat tire. Gathering certain data about our vehicle tire failures can help us reduce the risks associated with flat tires while driving. These questions are just a starting point to gather data before filling out the Mishap Review Template. Look at all factors and how they might have influenced this mishap.

**Member** – *Review the ways the member/driver may have influenced the mishap*

 *- Was the driver licensed and authorized to drive this vehicle?*

 *- Did the driver accomplish the Form 73, and specifically inspect the tires for condition and*

 *proper inflation?*

 *-- What was the inflation psi when last checked? When was it checked?*

 *- What speed was the vehicle going at the time of tire failure?*

**Click or tap here to enter text.**

**Media** – *Were there any environmental factors that influenced the mishap?*

 *- What was the condition of the road?*

 *- Day? Night?*

 *- Was weather a factor? Heat? Wet roads?*

 *- Were there obstacles or debris on the roadway?*

**Click or tap here to enter text.**

**Machine** – *Consider the tires and the vehicle*

 *- What type of tire failure occurred? Puncture? Tread separation? Blowout?*

 *- Was it a trailer?*

 *- Are the tires appropriate for the vehicle?*

 *- Are the tires maintained at the vehicle manufacturer’s recommended pressure?*

 *- How old is the damaged tire? What was the condition prior to driving?*

 *- Did the tire show any signs of age cracking, dry rot, or other deterioration?*

**Click or tap here to enter text.**

**Mission/Activity** – *Consider the mission, route, activity.*

 *- Was there anything about this specific mission or trip that contributed to the tire failure?*

 **Click or tap here to enter text.**

**Management** – *Review all applicable guidance for vehicle usage and maintenance.*

 *- Was all guidance related to vehicle and tire maintenance and management followed?*

 *- Was all guidance clear and well understood?*

 *- Does the wing/region have a policy for managing the age and replacement cycle for vehicle*

 *tires?*

 *- Is there a need for guidance or training to address this mishap situation?*

 **Click or tap here to enter text.**

**Mishap Summary** -- *Summarize the sequence of events that led up to and resulted in the mishap. Describe how each factor included in your Data Summary may have contributed to the mishap*

Click or tap here to enter text.

**Causal Factors** -- *List the one or more causal factors; if not for these one or two specific events, the mishap would not have occurred. See CAPR 160-2, paragraph 6.8.3.1.*

Click or tap here to enter text.

**Contributing Factors** -- *Contributing factors are preconditions or situations, found in your review of the Five Ms, which set the stage for the causal factor and the mishap or increased the severity or scope of the mishap. These are the areas where improvements or additional risk controls may be directed.*

Click or tap here to enter text.

**Non-Factor Worthy of Discussion (NFWOD)** -- *List other issues or weaknesses that were discovered during the review process. These may not have contributed to this mishap but could be targets for improvement or new risk controls.*

Click or tap here to enter text.

**Recommendations** – *As the Review Officer, you are very familiar with this mishap. Make recommendations on how to address contributing factors and help prevent similar mishaps.*

Click or tap here to enter text.