**Mishap Review Questions**

**Aircraft Flat or Damaged Tire**

This worksheet will help you use the Five M method to gather data when reviewing a mishap that involved a flat or damaged aircraft tire. Every mishap is unique. 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** – *Is there anything about the member that might have influenced this tire issue?*

 *- If the flat occurred while landing, what type of landing technique was the pilot using?*

 *- If the flat resulted from a skid, what techniques does the pilot use for braking?*

 *- Airspeed on touchdown?*

 *- Was pilot fatigued? Was pilot stressed? Any distractions?*

 *- Pilot’s experience level?*

 *- What does the pilot feel “went wrong?”*

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**Media** – *Consider all environmental factors that might be applicable.*

 *- Day or night? Was lighting a factor? Glare? Sun angle?*

 *- What was the runway length? What was the calculated landing roll?*

 *- Was the airport busy?*

 *- Winds – velocity? direction? gusting?*

 *- Any other environmental factors?*

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**Machine** – *Consider all factors regarding the aircraft and its components.*

 *- What was the tire pressure on preflight? What was the tire condition on preflight?*

 *- Were the brakes functioning normally or defects noted and written up?*

 *- What was the age of the tire? The inner tube?*

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**Mission/Activity** – *How did the mission profile or maneuver affect the mishap?*

 *- Was the landing planned and briefed? Was this runway the runway of intended landing?*

 *- Was there anything about sortie profile that could have influenced mishap? Complex mission?*

 *- Was it a single sortie or part of large flying activity like SAREX or Academy?*

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**Management** – *Consider all guidance and supervision that may have affected the mishap.*

 *- What was the preflight risk score? Was the flight properly released?*

 *- Was the sortie adequately briefed?*

 *- Any guidance or “rules” the pilot felt contributed to this mishap?*

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

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**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*

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**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.*

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**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.*

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**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.*

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