



**RMC Members Present:** Tyler McCowan (BLM), Erin Phelps (USFS), Mack McFarland (NPS), Darryl Jones (NASF), Troy Phelps (BIA), Bill Troup (FEMA), Kelly Woods (NPS-LLC), Corey Butler (DOI), Mack McFarland (NPS), Molly West (USFS), Christa Hale (NIOSH), Eric Fransted (FWS, RMC Chair).

Darci Drinkwater (Executive Secretary), Tim Blake (NWCG Coordinator)

**Guests:** Patty O’Brien (MHSC), Jennifer Myslivy (6MFS), Dan Jimenez, Tami Parkinson, Darren Hearn, Irik Johnson, April McDowell, Andreia Ruata, Maryrose Blank, Dan Russo

Topic & Notes	Decision
<b>Finalize 2022 Safety Gram:</b> <ul style="list-style-type: none"> <li>Waiting on facts for the last fatality that was added to the safety gram.</li> </ul>	Once final facts are compiled will send out for approval via email.
<b>National Firefighter Registry:</b> <ul style="list-style-type: none"> <li>RMC gave support for National Firefighter Registry.</li> </ul>	Briefing NWCG Executive Board at January 18 <sup>th</sup> meeting.
<b>Mesh Sawyer Goggle Tasking for Hazard Tree and Tree Felling Subcommittee (HTTFS):</b> <ul style="list-style-type: none"> <li>Is tasking needed, to look at the mesh sawyer goggle and evaluate effectiveness?</li> <li>Mesh goggles do not meet the Z-87 standards, but they do meet the OSHA standards for chainsaw logging operations.</li> <li>Mesh goggle do reduce fog up and many sawyers prefer them.</li> <li>Protection against fuel splash is not provided with mesh goggles but regular safety goggles only provide minimal protection.</li> </ul>	More discussion needed on this topic.
<b>Safety Zone Proposal Fire Behavior Subcommittee (FBSC) Decision.:</b> <ul style="list-style-type: none"> <li>Brett Butler started this foundational effort after South Canyon.</li> <li>Current standard for safety zones is 4 X flame length.               <ul style="list-style-type: none"> <li>Does not consider terrain, wind, or radiant heat.</li> <li>New modeling can improve this standard and incorporate those factors that were omitted in the previous formula.</li> </ul> </li> <li>The 2015 report suggesting the implementation of these new guidelines received push back.               <ul style="list-style-type: none"> <li>This report has now been peer reviewed and guidelines have been published.</li> <li>Socializing to obtain comments and hear concerns.</li> </ul> </li> <li>Some geographic areas have embraced these new guidelines.</li> <li>Creating a dynamic tool to help determine how potential safety zones change throughout the day and how a safety zone could be improved.               <ul style="list-style-type: none"> <li>Provides quick assessment of how to engage.</li> </ul> </li> <li>Creating a website to look at models with the goal of developing an app.               <ul style="list-style-type: none"> <li>Ability to Geocache without connectivity.</li> </ul> </li> </ul>	Submitting a request for change through Incident and Position Standards Committee (IPSC).  Request that this information not be released until finalized with IPSC.  RMC supports.



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<p><b>Days Off Briefing Paper:</b></p> <ul style="list-style-type: none"> <li>• Reviewed by RMC.</li> <li>• Will be briefing NWCG Executive Board at January 18<sup>th</sup> meeting.</li> <li>• Briefing paper covers findings and next steps.</li> <li>• Need to finalize our recommendations before sending to Executive Board.               <ul style="list-style-type: none"> <li>• Flexibility for agencies is key.</li> <li>• Development of a sliding scale would be beneficial to assist fire managers in deciding the number of days off for their employees.</li> <li>• Currently socializing and then possibly looking into devices to monitor fatigue.</li> </ul> </li> </ul>	<p>Briefing Executive Board at January 18<sup>th</sup> meeting.</p>
<p><b>Human Performance and Sleep Monitoring:</b></p> <ul style="list-style-type: none"> <li>• Physical:           <ul style="list-style-type: none"> <li>○ What is the physical load a firefighter experiences on a fire?</li> <li>○ How long does it take for a firefighter to recover?</li> </ul> </li> <li>• Cognitive:           <ul style="list-style-type: none"> <li>○ How does a 14 plus day deployment affect firefighter focus while on a fire?</li> </ul> </li> <li>• Health:           <ul style="list-style-type: none"> <li>○ How does firefighter/IMT physiology change during a 14-day deployment?</li> <li>○ How does a 14-day deployment affect firefighter/IMT sleep?</li> </ul> </li> <li>• Technical/Tactical:           <ul style="list-style-type: none"> <li>○ How “ready” is an IMT member to make key decisions?</li> <li>○ How “ready” is a firefighter to fight fire after 1 day? 10 days? 18 days?</li> </ul> </li> <li>• Human Performance:           <ul style="list-style-type: none"> <li>○ Drives holistic organizational imperatives and provides industry agnostic benefit.</li> <li>○ Data-centric solution that is personalized, built for real-time feedback and focused on holistic behavior changes.</li> <li>○ Allows individuals to get insight into their personal performance and take the necessary actions to take the right training to increase readiness.</li> <li>○ Within groups human performance drives a learning based organizational culture that highlights best practices to drive efficiencies and inform organizational policies for enterprise benefit.</li> <li>○ Universal human performance imperatives:               <ul style="list-style-type: none"> <li>▪ Physical strength, variable skillset, cognitive resiliency, performance readiness, cohesion, and situational awareness.</li> </ul> </li> </ul> </li> <li>• Booz Allen Approach:           <ul style="list-style-type: none"> <li>○ Transforms the way individuals prepare for and carry out their mission.</li> </ul> </li> </ul>	<p>N/A</p>

Additional information beyond these meeting notes (i.e. handouts, presentations, maps, etc.) will require a FOIA request to ensure proper privacy regulations are followed. Please request via FOIA Online website at <https://www.doi.gov/foia/make-a-request>



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<ul style="list-style-type: none"> <li>○ Combine cognitive science, advanced sports and data science, wearable technology, and immersive simulations to optimize the physical and psychological readiness, wellbeing, and performance.</li> <li>● Client customized quick look assessment (QLA): <ul style="list-style-type: none"> <li>○ Provides insights where to begin applying capabilities along the human performance.</li> </ul> </li> <li>● Range of operational application: <ul style="list-style-type: none"> <li>○ Wearables, strategy, analytics, and data fusion.</li> </ul> </li> <li>● Training staff works directly with first responders during operational training scenarios to provide physiological and cognitive regulation techniques to mitigate stress and optimize wellness.</li> <li>● Use data collected from wearables to inform recovery strategies and training cycles.</li> <li>● Used data to inform injury rehabilitation strategies and protocols.</li> <li>● Outcomes: <ul style="list-style-type: none"> <li>○ Life-saving access to expertise.</li> <li>○ Increased mobility, flexibility, and scale.</li> <li>○ Critical information on demand.</li> </ul> </li> </ul>	
<p><b>NWCG Updates:</b></p> <ul style="list-style-type: none"> <li>● NWCG Executive Board topics: RMC Days Off/Fatigue update, CIM Transition Plan; 310-1 change summary for 2023, and smoke update.</li> </ul>	Budget request due January 25 <sup>th</sup> .
<p><b>Subcommittee Updates:</b></p> <ul style="list-style-type: none"> <li>● Mental Health Subcommittee (MHSC): <ul style="list-style-type: none"> <li>○ Planning for 2023.</li> <li>○ Looking at membership.</li> </ul> </li> <li>● 6 Minutes for Safety: <ul style="list-style-type: none"> <li>○ Meeting next week.</li> <li>○ Presentation on including human factors in 6MFS topics.</li> <li>○ Reviewing EMS topics.</li> <li>○ Will be reviewing April, May, and June topics.</li> </ul> </li> <li>● Hazard Tree and Tree Felling Subcommittee (HTTFS): <ul style="list-style-type: none"> <li>○ Two meetings per week regarding new faller course SMEs taking the lead and updating HTTFS.</li> <li>○ Have a solid outline for advanced sawyer course.</li> <li>○ Recruiting for new HTTFS chair.</li> </ul> </li> </ul>	N/A
<p><b>Lessons Learned Center (LLC) Updates:</b></p> <ul style="list-style-type: none"> <li>● Making progress on the new website should be active in August.</li> <li>● Working on 2022 year in review.</li> <li>● Developing new product to combine RLS data points, draft should be out soon.</li> </ul>	N/A
<p><b>National Technology and Development Program (NTDP):</b></p>	N/A

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<b>Topic &amp; Notes</b>	<b>Decision</b>
<ul style="list-style-type: none"><li>• Will be starting on the Work Capacity Test document again in January.</li><li>• Fire shelters training submitted.</li><li>• Finished boot white paper working on next steps.</li></ul>	
<p><b>National Institute for Occupational Safety and Health (NIOSH):</b></p> <ul style="list-style-type: none"><li>• CDC coordinating with Wildland Fire on community smoke issues.</li><li>• COVID policy has changed differences in testing between DOI and USFS.</li></ul>	N/A-

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