

SUPERKARTS AUSTRALIA AMRC AGENDA ITEM SUBMISSION

TOPIC : Change of Minimum Weight Superkart 125cc National Class		Page 1 of 3 Plus data sheets
SUBMITTED BY : SUPERKARTS AUSTRALIA (SKA) CAMS AUSTRALIAN SUPERKART CHAMPIONSHIPS ADMINISTRATOR		GROUP/S CONCERNED : 125cc GEARBOX NATIONAL CLASS CAMS SUPERKART MEMBERS
AGENDA ITEM NO. : <i>(Office use only)</i>		Time required for submission data review, discussion and decision (estimated): 20 - 25 minutes
RECOMMENDATION: To amend Superkart Technical Regulation 10 in relation to 125cc Gearbox National minimum weight to be changed from 180kg to 190kg, with an implementation date of April 2015.		
RATIONALE:	<p>Minimum Weight for 125Gb Nat class has not been reviewed for at least ten years and does not otherwise move generally in line with CIK classes as do the 250cc Classes. The weight change recommended is determined from accurate recorded Cams race event data, a consideration of similar class weights overseas, and broad discussion with the class competitors.</p> <p>The implementation date is adequate lead time for 2015 Championship competitor preparations.</p>	
BACKGROUND:	<p>SKA received a number of requests from 125National class competitors requesting a review of the minimum weight for the class. Competitors believe the current weight is incorrect and not indicative of the current class situation. They are in favor of raising the weight to a new limit derived by accurate assessment to improve class parity.</p> <p>An analysis of historical data indicates that the current minimum should be raised due to the long term recording of the majority of competitors running at well over the recorded mean average. Of concern also was a revealed competitor strategy of potentially unsafe lightening to attempt to maintain competitiveness nearer the current low limit. Class evolution over the data review has seen the introduction of more bodywork elements, high back seats, data acquisition instrumentation and revised chassis designs, which have each added to total vehicle weight.</p>	
BENEFITS:	<p>A more appropriate weight for this class will improve class parity and encourage increased competitor participation and interest in this class. Raising of the minimum weight for 125National will reduce the competitor interest in lightweight components and expensive composites use, which assists to maintain costs at reasonable levels.</p>	
ATTACHMENTS:	<p>SKA Weight Review Paper and Data – Review and Assessment of Superkart Championship Weights and 125cc Gearbox National in particular focus. Championship Weighbridge Data 2010 – 2014</p>	
COMMENTS : It should be noted that a separate sub-class which is not included in this submission, Stock Honda 125cc Gearbox defined under STR9.5 has a weight minimum of 180kg within STR9.5 - 7. No recommendation for change for that class weight is part of this submission or is intended.		