

Recommendations for Routine Factors

Many thanks to our fantastic worldwide Artistic Swimming community for providing us with your feedback on how the factors need to perform in the 2025 season. Without your input and willingness to test these factors we would not have been able to complete this project. These factors will be monitored closely throughout the season by World Aquatics, and we continue to welcome your feedback.

Acro Routine and Technical Routines:

As per Future Vision team:

- For ALL Technical routines balance desired is: 60% Elements score, 40% Artistic Impression score - do not want to see the Elements score go over 60% (that is the “ceiling” or max)
- Acro routine – 60% Elements (Acros), 40% Artistic Impression score.

Rationale for Acro and Technical routine factor recommendations:

- Ensure established goal weights of future vision team were being met via mathematical calculations
- Adjust factors to mitigate the risk of scores getting too high when 3 events are added together (ie 1000+ can't happen with the scoring system)
- To achieve the objectives used strategy of reducing the Element factors, and calibrating AI factors (not just increasing the AI factors)
- Testing on any results that came in during Fall to see if they met goal weights or not
- Ensuring testing on broad scope (higher dd/score and lower dd/score) to ensure math works

Recommended factors based on goal weights desired (percentages in blue):						
	<i>Elements 60%</i>			<i>Artistic Impression 40%</i>		
	Acro	Hybrid	TRE	ChMu	Perf	Trans
Acro Routine	<i>100%</i>	-	-	<i>35%</i>	<i>30%</i>	<i>35%</i>
	0.6	-	-	1.2	1.0	1.2
Tech Solo	-	<i>20%</i>	<i>80%</i>	<i>35%</i>	<i>30%</i>	<i>35%</i>
	-	0.2	1.0	1.4	1.2	1.4
Tech Duet	<i>10%</i>	<i>20%</i>	<i>70%</i>	<i>35%</i>	<i>30%</i>	<i>35%</i>
	1.0	0.2	1.1	1.6	1.4	1.6
Tech Mixed Duet	<i>20%</i>	<i>30%</i>	<i>50%</i>	<i>35%</i>	<i>30%</i>	<i>35%</i>
	0.8	0.2	1.0	1.3	1.1	1.3
Tech Team	<i>10%</i>	<i>30%</i>	<i>60%</i>	<i>35%</i>	<i>30%</i>	<i>35%</i>
	0.8	0.2	1.0	1.5	1.3	1.5

Free Routines:

As per Future Vision Team:

- For Solo, Duet and Team Free balance desired is: 50% Elements, 50% Artistic Impression
- Mixed Duet Free - a minimum of 60-65% artistic, max of 35-40% elements.
- Free Combination (Youth/12U) desired balance is: 40% Elements score, 60% Artistic Impression score

Rationale for free routine factor recommendations:

- Ensure established goal weights of future vision team were being met via mathematical calculations
- Adjust factors to mitigate risk of scores getting too high when 3 events added together (ie 1000+ can't happen with the scoring system)
- To achieve this goal used strategy of reducing the Element factors, and calibrating AI factors (not just increasing the AI factors)
- Testing on any results that came in during Fall to see if they met goal weights or not
- Using other event score data to project potential DDs and scores at each level
- Ensuring testing on broad scope (higher dd/score and lower dd/score) to ensure math works
- For Youth and 12U a Figures factor has been included to balance total score as 60% routine, 40% figures, rationale being:
 - Coaches are not training figures/caring about results because they don't have enough of an impact, and this is affecting athlete development, figures need to matter
 - In regard to figure factors, and their specific calculation by event:
 - Since the number and type of elements vary between events, as well as the expected DD and judges scores, the final scores of routines will differ between events
 - To ensure figures account for the correct goal weight (40% of the total score) in each discipline and age group, the figures factor must also be adjusted to support the variation in the routine event results

Recommended factors based on goal weights desired (percentages in blue):						
SOLO	ACRO	HYB	CHMU	PERF	TRANS	FIGURES
<i>Goal Weights:</i>	<i>50% Elements</i>		<i>50% Artistic Impression</i>			<i>40% of total score</i>
	-	<i>100%</i>	<i>35%</i>	<i>30%</i>	<i>35%</i>	
JR/SR	-	0.3	1.4	1.2	1.4	-
YOUTH	-	0.4	1.4	1.2	1.4	1.6
12U	-	0.5	1.4	1.2	1.4	1.4
WOMEN'S DUET	ACRO	HYB	CHMU	PERF	TRANS	FIGURES
<i>Goal Weights:</i>	<i>50% Elements</i>		<i>50% Artistic Impression</i>			<i>40% of total score</i>
	<i>20%</i>	<i>80%</i>	<i>35%</i>	<i>30%</i>	<i>35%</i>	

JR/SR	0.8	0.3	1.6	1.4	1.6	-
YOUTH	1.3	0.3	1.2	1.0	1.2	1.4
12U	1.6	0.5	1.2	1.0	1.2	1.4
MIXED DUET	ACRO	HYB	CHMU	PERF	TRANS	FIGURES
<i>Goal Weights:</i>	<i>35-40% Elements</i>		<i>60-65% Artistic Impression</i>			<i>40% of total score</i>
	<i>40%</i>	<i>60%</i>	<i>35%</i>	<i>30%</i>	<i>35%</i>	
JR/SR	1.0	0.3	2.2	2.0	2.2	-
YOUTH	1.2	0.3	1.8	1.6	1.8	1.6
12U	1.4	0.5	1.6	1.4	1.6	1.6
TEAM	ACRO	HYB	CHMU	PERF	TRANS	FIGURES
<i>Goal Weights:</i>	<i>50% Elements</i>		<i>50% Artistic Impression</i>			<i>40% of total score</i>
	<i>30%</i>	<i>70%</i>	<i>35%</i>	<i>30%</i>	<i>35%</i>	
JR/SR	0.6	0.3	1.8	1.6	1.8	-
YOUTH	0.6	0.4	1.4	1.2	1.4	1.8
12U	0.7	0.7	1.2	1.0	1.2	1.5
COMBO	ACRO	HYB	CHMU	PERF	TRANS	FIGURES
<i>Goal Weights:</i>	<i>40% Elements</i>		<i>60% Artistic Impression</i>			<i>n/a</i>
	<i>30%</i>	<i>70%</i>	<i>35%</i>	<i>30%</i>	<i>35%</i>	
YOUTH	0.5	0.4	1.8	1.6	1.8	-
12U	0.7	0.6	1.8	1.6	1.8	-