ABR 2.1 World Class Records (For Aerostats)

2.2 GENERAL SPECIFICATIONS OF MODEL AIRCRAFTS FOR RECORD ATTEMPTS

2.3 Surface area	**For Aerostats, the volume of the envelope must be reported but no limitation implemented.**
2.2.8 Point of landing	**For Hot air balloons, the point of landing is open.**
2.2.10 Assistant pilot	**For Aerostats, the pilot must conduct his attempt alone but can get advices.**
2.2.13 Flying site	**For outside attempts with Aerostats, the flying site is open land.**

2.3 SPECIAL RULES FOR DURATION RECORDS

2.3.1 Recording the time	**For Hot air balloons, the flight time starts at the moment when the lower part of the balloon leaves the ground. At take-off, rebounds are not allowed.**
2.3.2 End of flight	**For Hot air balloons, the flight time ends at the moment any part of the balloon get contact with the ground or obstacles.**

2.4 SPECIAL RULES FOR DISTANCE RECORDS IN A STRAIGHT LINE

2.4.3 Point of departure	**For Aerostats, the point of departure is the point the model leaves the ground. At take-off, no rebound is allowed.**
2.4.4 Point of landing	**For Aerostats, the point of landing is open and is not to be refined before the flight.**

2.5 SPECIAL RULES FOR SPEED RECORDS IN A STRAIGHT LINE

2.5.1 Base	**For Airships, the base must be 200 m for outside records and 50 m for indoor records and must be run in both directions without any intermediate landing.**

2.6 SPECIAL RULES FOR SPEED RECORDS IN A CLOSE CIRCUIT

2.6.1 Base	**For Airships, the base for outside records is a rectangle of 100 x 50 m basis. For indoor records, the basis is a rectangle o 50 x 25 m. The corners are defined by vertical pylons. The start/finish line is the outside part of one of the smallest base lines. The base is to be run five times.**

2.7 SPECIAL RULES FOR DISTANCE IN CLOSED CIRCUIT RECORDS

2.9.1	**For Airships, refer to chapter 2.6.1 for the base to be used.**

2.10 SPECIAL RULES FOR STATIONARY FLIGHT WITH HOT AIR BALLOONS

2.10.1 Flight level — **The hot air balloon must have a stabilized flight between the ground and a limited altitude. The height of the flight is defined by using a rope fixed at the bottom of the basket. The length of the rope bellow the basket is 25 cm for indoor records and 1 m for outdoor records. The free end of the rope must have a small weight to ensure the rope remains taut.**

2.10.2 Timekeeping — **Refer to chapter 2.3.3**

2.10.3 Flight time — **The time counting starts when the balloon leaves the ground and ceases either by contact of the basket with the ground or by the rope losing contact with the ground or by any contact of any part of the balloon with obstacles (buildings, walls, trees, lines...).**

TABLE I CLASSIFICATION OF RECORDS

SUB CLASS	CATEGORY	GROUP	TYPE							
			Stationary flight	Duration	Distance straight line	Gain in altitude	Distance Goal and Return	Speed	Distance in closed circuit	Speed in closed circuit
F7	**Hot Air Balloons**	**Indoor**	**Nnn**	**Nnn**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**
		Outdoor	**Nnn**	**Nnn**	**Nnn**	**Nnn**	**n/a**	**n/a**	**n/a**	**n/a**
	Airships	**Indoor**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**Nnn**	**Nnn**	**Nnn**
		Outdoor	**n/a**	**n/a**	**Nnn**	**Nnn**	**Nnn**	**Nnn**	**Nnn**	**Nnn**

Note : need to define the numbers (Nnn) for each possible record in the free cells.
Note : This table does not present the code for the stationary flights (indoor/outdoor) for hot air balloons which can be mentioned in a specific line rather than introducing a new column.

TABLE II APPLICATION FORM

Note : This table should be adapted to include Aerostats (Hot air balloons and Airships).

For Hot air balloons and Airships => **Volume (m3)**
For Hot air balloons => **Gas = Total weight (Kg)**

Reason: Aerostats (Hot air balloons and Airships) are recognized categories.
World records can be obtained.
Requests for implementation are raising from pilots.
Such records are spectacular due to the type of models and a strong support to the promotion of aeromodelling.
They are also a rewarding area for equipment improvement and for personal recognition.

End of proposal