

SUPPORTING DATA

Minimum dimensions of subclasses of classes S1, S2, S3, S6, S9 and S10 must not be less than:

Event Class	Minimum diameter (mm) (for at least 50% of the overall length)	Minimum Overall Length (mm)
A	40	500
B	40	500
C	50	650
D	60	800
E	70	950
F	80	1100

Event Class	Minimum diameter (mm) (for at least 50% of the overall length)	Minimum Overall Length (mm)
A/2	40	500
A	60	500
B	80	650

In the case of Class S1 models, the smallest body diameter must be not less than 18 mm for at least 75% of the overall length of each stage. An S1 sustainer stage may not have a boat tail.

In the case of Class S1 models, the smallest body diameter must be not less than 60 %of the Minimum diameter for at least 75% of the overall length of each stage. An S1 sustainer stage may not have a boat tail.

Type the reasons in the space below:

Delete Modell Class S10
New Engine Class A/2

In order to reduce the too high starting heights there are two solutions:

With the current models a reduction of the engine power to A/2.

With the current motors an increase in diameter, a longer length results in transport problems. A short thick rocket is more unstable and has to be stabilized with bigger fins or more weight in the nose cone. This should produce more weight and with the greater drag, this will result in less launch height.

A diameter of 50mm reduces the starting height too less.

Type any supporting data for the proposed technical amendments in the space below:

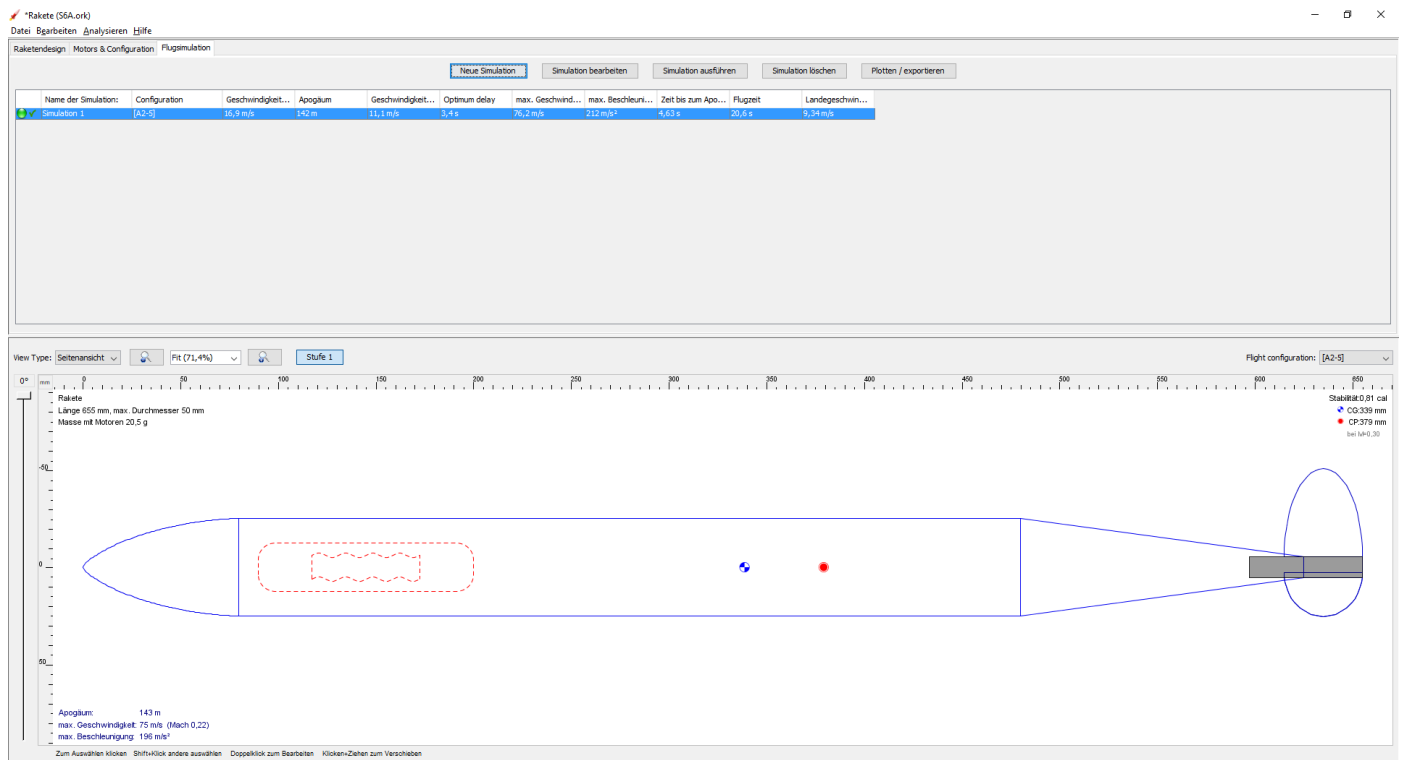
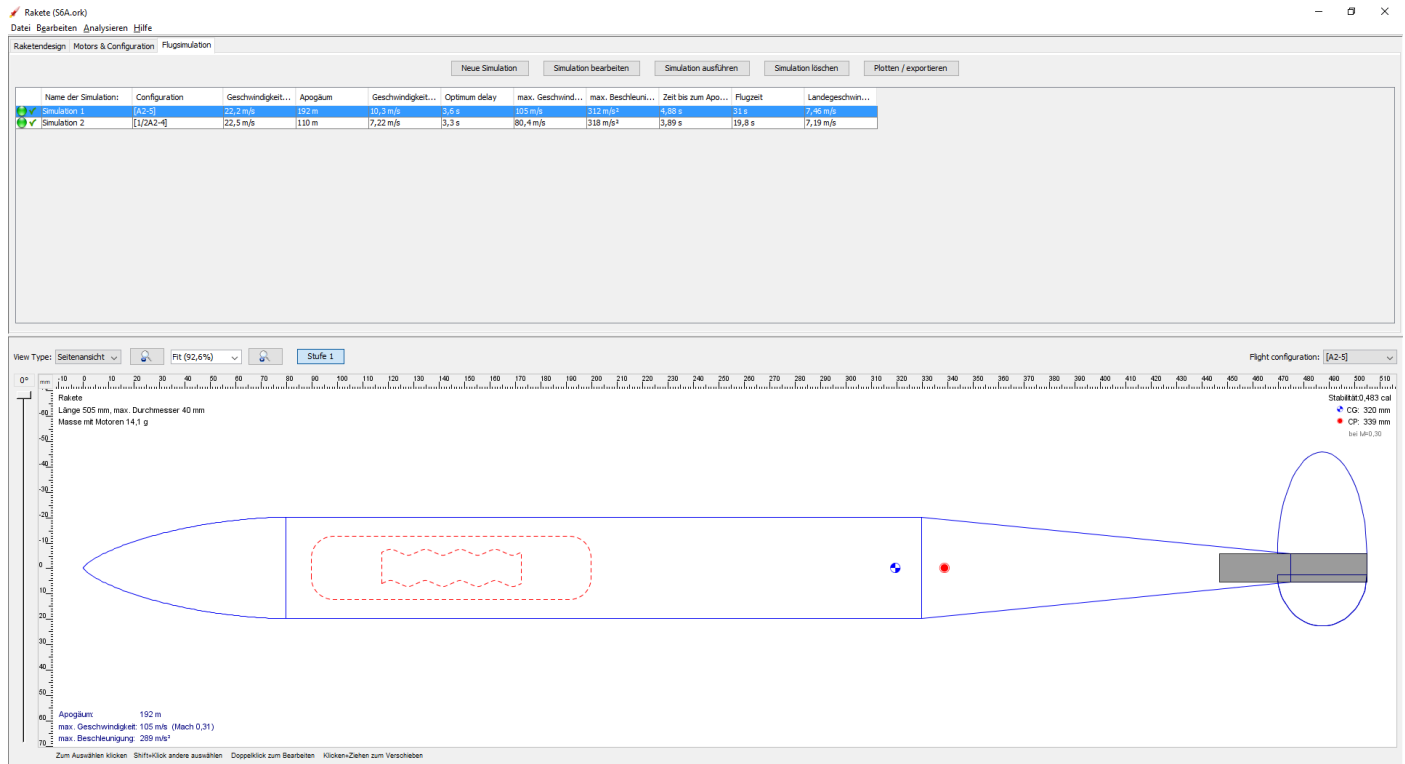
See the following pages.

2021 AGENDA ANNEX 7i

Agenda Item 14.12 i)

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Switzerland



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