

Report Layout Guidelines

	PDR	CDR	FDR
Report language	English		
General report content	a) Cover page b) List of contents c) List of abbreviations and symbols d) Your text including pictures, charts and tables e) Attachments f) Bibliography		
Header	Left hand side: name of university, right hand side: team name		
Footer	Left hand side: Date of submission, right hand side: page number / total number of pages		
Max. no. of pages	<ul style="list-style-type: none"> • 10 with respect to d) above • 5 with respect to e) above 	<ul style="list-style-type: none"> • 15 with respect to d) above • 7 with respect to e) above 	<ul style="list-style-type: none"> • 20 with respect to d) above • 10 with respect to e) above
Cover page must state:	<ul style="list-style-type: none"> • Type of the report (eg Preliminary Design Report) • Name and address of your university and model flying club if applicable • Team name • Name of team captain • Name of team members • Name of supervising faculty member • Date of submission 		
Paper Format	DIN A4 or letter (8.5 x 11"), portrait		
Font and font size	Text: 11 pt; Arial Heading: 13 pt, bold, Arial Header: 8pt, Arial Footer: 8pt, Arial		
Line spacing within text	single		
Line spacing between paragraphs	double		
Line spacing before and aft of headers	double		
Page margins	Top: 2,5 cm; Bottom: 2 cm; Left: 2,5 cm, Right: 2,5 cm		
Report to be submitted as:	PDF-File		

Reports contents requirements

Preliminary Design Report - PDR

The preliminary design phase ends when a refined feasible baseline design layout was identified.

The PDR must contain a list of aircraft configurations looked at including their "pros" and "cons" with respect to the mission profile. Reasons must be given for the baseline design finally chosen. Rough estimates on weight, wing and thrust loading, c.g. calculations, performance, a preliminary wing and empennage design, and a cost estimate. The report is supplemented by a 3-view drawing of the baseline design.

Critical Design Report - CDR

The critical design phase ends when a detailed design layout was identified which is the basis for the production of the model.

The CDR includes detailed technical specifications based on more comprehensive calculations and a proof that the aircraft will satisfy the requirements using a quantitative compliance matrix with respect to the mission profile. The CDR also indicates the method of construction of the various parts of the aircraft and is supplemented by a 3-view drawing. Additionally, an updated cost analysis and project schedule is required.

Final Design Report - FDR

The FDR contains a detailed description of the aircraft including a performance computation that will be checked against the flight results. A proof is required, that the aircraft fulfils the flight requirements by using a compliance matrix based on detailed computations. Additionally, a chapter of the FDR must cover the team management and team performance aspects including difficulties encountered and solutions thereto.