## Formula:SAE-47 Development Process (FDP) 7F:SAE:47



							Manufacture							
Phases	R&D		Design		(Manufacture)		(managed through waterfall)	1		Assembly and testing	Testing		Competition	Review
Gateway	G-2	G-1	G0	G1	G1.5	G2	G3	G4	G5	G6	G7	G8	G9	G10
aatovay	G Z	G I	GO	G I	GI.J	<b>U</b> L	ao	СТ	as	GU	G1	GO	<b>G</b>	<b>GIO</b>
									Manufacture	Assembly and biz	Livery complete	e, Testing		
Overview	R&D project								complete and design				Competition	
O V CI VIC VV	proposal	complete	Goals	Finalised concept	Critical outsourcing	Design freeze	Start manufacture	pres plan	pres draft	draft, testing begin	review Design booklet	launch	complete	Review complete
									Manufacture	Car assembly	and poster final			
										knowledge page (CE)	versions (with testing data)			
							Timelines in PM		(manufacture managers)	(OL)	(Design leaders)	)		
							software			Cost report draft	<b>—</b>			
						•	(manufacture management) and		Cost part sheets (manufacture	(cost leader)	Final cost report (cost leader)	Ţ.		Team members'
				Alumni design			signed off by CE		managers)	Complete business		Complete		individual review
				presentation (DLs)		drawings (DLs and	Assembly timeline		Design booklets and	•	Static event mock judging	booklet of testing session		forms (team leader)
Documents				Rough budgets			(CE)		posters (design	presieda)	report (static	•		icadci )
(required by				(DLs)		Ota al talea asa	10.0000	T +!:: -:!	leaders)	Testing log for each	n event leaders)	engineer)		Management and
gateway	R&D project charter	proposal	Goals (CE & TL)	Project charter (CE).	Completed CAD and manufacture		·	Testing and validation plan	Business	testing session (race engineer to	Mock	Carnet (TL &		leader reflections (leaders to write,
	(project	(project	Team charter (CE &	k (WBS, milestone	drawings for critical			(race engineer,	presentation draft	write, chief	scrutineering	manufacturing	Competition results	team leader to
deadline)	proposer)	individual)	TL)	schedule, budgets)	outsourcing	managers)	manager)	signed by CE)	(biz pres leader)	engineer to sign off	) report (Alum) Add testing	leaders)	(CE and TL)	sign off)
											numbers to			
						CAD and					posters and			
_				Present alumni	CAD and critical outsourcing	other outsourcing			Design booklets and posters, practise	Attend relevant	booklets, alumni & FA			
Design			Leaders named	design review	•	drawings		Validation plan	presentation 1	testing sessions	presentation	Comp prep	Design presentation	Review
					Critical sponsors	Confirm other			System manufacture					
							Make	Continuing	complete					
							manufacture plan	_				Comp prep,		
Manufacture				Elected		Stocktake and order list	Onboard newbies	and documenting	Manufacture fully documented	Assembly assistance	on car	e packing car and carnet	Fix car	Review
								Driver training		Assembly				
								Testing		assistance		Publish booklet		
					Summer testing plan			locations	Driver selection	Running testing		of testing		
Race				Elected	completed	Driver training	Driver training	confirmed	completed	sessions	Final testing	session logs	Run car	Review
							Chanasia							
							Sponsor engagement plan							
					Critical sponsors confirmed		Onboard newbies	Team merch arrived			Static event			
					COLLINITICA	Design	Print thankyou	arrived			presentations		Photographs and	
Marketing				Elected	Sponsor posts begin	newsletter 1	photos	Tech night		Newsletter 2	(alumni)	Launch night	posts	Review
					Issuing cost		Compiling cost	Compiling cost		Draft report, mock	Final report, audience			
Cost				Leader named	templates		docs	docs	Compiling cost docs	-	presentation	Comp prep	Cost presentation	Review
Business								Concept for	Draft presentation,		Final			
presentation				Leader named				business presentation	practise presentation 1		presentation, audience review	v Comp prep	Business presentation	Review
								proscritation	proscritation i		addiction to the Vicv	v Comp prep	prosoritation	INCVICAN