Comment	Item to be Changed	Action Item(s)	Responsible Individual	Status					
Conflation between requirements for subteams and requirements for the final product	N/A	Go through requirements and change all verbage to reflect the requirements on the vehicle	Kyle	☑					
IREC versus team requirements are not noted	N/A	Add a note to all the IREC requirements to identify them on first glance	Kyle	☑					
Stretch the beginning of the mission timeline in CONOPS	CONOPS	Add realistic time for assembly	Argyris	☑					
"Must" is now being used instead of "shall"	N/A	If we were to redo this, we would make the change. Noted for the Phoenix IV	N/A	☑					
System interfaces are missing	System Diagram	Create a really in-depth system diagram with a lot more attention towards interfaces If any requirements arise from this exercise, add those	Kyle	☑	Moved to Open Project				
Coordinate system is missing in the system diagram	System Diagram	Add a coordinate axes for the system (diagram)	Kyle	☑					
Stick to a unit system	N/A	Change all requirements to meters, kg, seconds	Kyle	☑					
Add units to stability	Mass Budget	Add calibers to the mass budget	Kyle	☑					
Be sure we're constantly tracking where the mass is in this rocket	Mass Budget	Create a mass accounting system to keep track of where mass is right now	Kyle + a first year	☑	Moved to Open Project				
Mass budget shouldn't have lots of sigfigs	Mass Budget	Bring decimals down to a value that we can actually measure (a tenth)	Kyle	☑					
We should have a good feeling for current requirements as the mission happens	Power Budget	Modify the power budget to account for each flight phase and have changing currents	Kyle + a first year	☑	Moved to Open Project				
Careful that you don't run out of battery on the pad	Power Budget	Calculate how much buffer we have for before and after the mission	Kyle	☑	Moved to Open Project				
Where's the requirement for the COTS pressure vessels?	SYS_REQ_03	Add a requirement for COTS pressure vessels	Kyle	☑					
Thermal loading should have quantitative values	SYS_REQ_08	Add thermal bounds for the ground and for the air	Kyle	☑					
You don't have any liquids... what's "dry" mass?	SYS_REQ_09	Change out verbage to reflect the solid nature of our propellants	Kyle	☑					
We really need a cable management plan	Avionics Diagram	Create a very detailed avionics system diagram so we can accurately track our cable needs After this, define cable raceways and other structural pieces that will be needed	Kyle + a first year	☑	Moved to Open Project				
That launch rail speed is extremely high	SYS_REQ_15	Investigate a test flight or other ways to mitigate that IREC requirement	Argyris + Jake	☑	https://www.herox.com/SpaceportAmericaCup2021/forum/thread/6683				
Stay towards the low side of the 2-6 range	SYS_REQ_16	N/A	Nathan	☑					
What environments will this be exposed to?	N/A	Create a table of environments we need to survive (in the systems folder) Add requirements to fulfill those when done	Kyle	☑					
Separation loads can be very high. We will be moving horizontally pretty quickly when the drogue deploys	N/A	Estimate loads that need to be survived during recovery and add as requirements	Kyle	☑					
Analysis for venting is important	Structures Reqs	Add a requirement for venting analysis	Kyle	☑					
Epoxy & paint add up in mass	Mass Budget	Add a subcategory for epoxy and paint into the structures mass category	Kyle	☑	Moved to Open Project				
We're used to seeing a table of all the commands and their parameters from avionics	N/A	Compile a table of all the commands sent and received by all the subteams in avionics	Kyle + a first year	☑	Moved to Open Project				
There's no max acceleration reqs	Systems reqs	Add the expected max acceleration to design to	Kyle	☑					
What will you be filtering out?	Flight computer reqs	Add a requirement that states that the mach pressure drop needs to be filtered out	Kyle	☑					
There's a lot of noise before flight	Flight computer reqs	Add a requirement to filter out preflight noise	Kyle	☑					
It's better to be a little late detecting apogee	Flight computer reqs	Add an error bar that extends beyond apogee	Kyle	☑					
Keep in mind horizontal stresses during apogee -- not just floating there, moving very fast horizontally	Flight computer reqs	Add an expected horizontal velocity to the apogee requirement	Kyle	☑					
The wording on GPS data collection is pretty vague	SENS_REQ_04	Change to be more specific about GPS data	Kyle	☑					
Have we though about sensor redundancy?	Sensing reqs	Talk with Jake about a possible need for sensor redundancy (barometer/apogee detection sensors)	Sensing Leads	☑					
How fixed is the power budget for comms?	Power Budget	Rework to delegate power better	Kyle	☑	Moved to Open Project				
Do we have an idea of the bandwidth	COMMS_REQ_01	Look at IREC documentation more carefully/maybe reach out to other teams about usal bandwidths	Comms	☑					
Do we know antenna size?	Comms/Structures	Once a bandwidth is determined we should make a structures requirement to accomodate	Comms + Kyle	☑	Noted, antenna decision will be made soon but not yet				
Motor vs engine	N/A	Go through and change all verbage to motor	Kyle	☑					
What does "at liftoff" thrust mean?	PROP_REQ_07	Change to "peak thrust" and add a requirement for when it has to occur by	Kyle	☑					