

## Kerbal Space Program - Feedback #13029

### Guidance system tech tree placement versus capabilities are all over the place

10/17/2016 06:12 PM - Nebbie

<b>Status:</b>	New		
<b>Severity:</b>	Low		
<b>Assignee:</b>			
<b>Category:</b>	Gameplay		
<b>Target version:</b>			
<b>Version:</b>	1.2.0	<b>Language:</b>	English (US)
<b>Platform:</b>	Linux, OSX, Windows	<b>Mod Related:</b>	No
<b>Expansion:</b>			
<b>Description</b>			
<p>So 45 science node gives us a complete waste of space in the Stayputnik, which really should have a top attachment node, then 90 science gives a useful OKTO with basic SAS <i>and</i> a top attachment node <i>and</i> a better shape.</p> <p>Continuing on, 160 science in a different branch goes straight to having every kind of SAS available (though you may need a cubic octagonal strut or something to mount it on a rocket), but in the branch continuing from the OKTO, you only get prograde/retrograde hold with the HECS. It's not until the HECS II way down the tree that we get the fly-by-wire's SAS capabilities in a probe body.</p> <p>Over in the middle at 300 science, you get the OKTO2 with decent SAS capabilities right alongside a heavier probe core in a less-convenient shape that has only basic SAS. Also in the 300 science category, you get the rovemate...which only has basic SAS and is really just a flatter QBE.</p> <p>Finally, the last part of the probe core tree gives a huge probe core that has an equivalent guidance system to the fly-by-wire <i>and</i> way less torque in reaction wheels than the large reaction wheel module that unlocks alongside the fly-by-wire <i>and</i> an extra .3 tons of mass for just 30 units of EC.</p> <p>Having a fully-capable guidance system at 160 science, barely-capable ones whose only real benefit is a rectangular prism shape at 300 science, and an insanely inefficient one at 1000 science feels pretty off and makes for some design non-choices; I'll probably slap an OKTO2 on everything until I really need maneuver-tracking (at which point I'll usually slap on a fly-by-wire), and then there's no reason to ever use much else besides HECS II or an occasional Rovemate (which I won't prioritize unlocking anyways).</p>			