### EAN BENEFITS AT A GLANCE – FACTS SPEAK FOR THEMSELVES

#### European Aviation Network

| BANDWIDTH & CAPACITY | - highest possible Bandwidth/Capacity as focus is on aircraft only  
| | - > 75 Mbit/s peak rate to aircraft  
| SCALING | - ACGC ground network easily scales with increasing traffic needs  
| | - Easy densification & sectorization of ground cell-sites>  
| LATENCY | - short signal latency, typically <100ms (20-70ms)  
| | - all internet use-cases possible (incl. gaming, VR, etc.)  
| SYSTEM AVAILABILITY | - Integrated hybrid network provides seamless availability over land & water  
| | - less complex equipment less prone to mechanical issues  
| INSTALLATION | - fast & low-impact installation during overnight breaks  
| | - fleet installation turnaround within a few months  
| WEIGHT & DRAG | - small & light-weight antennas for both MSS and ACGC radio links with minimal impact on kerosene consumption  
| AVIATION EXCLUSIVITY | - Airlines on EAN do not share network capacity with any other industry or user-type and receive full capacity.  

#### Best Satellite-only based Solutions (Europe regional)

| - Bandwidth/Capacity shared with other users (non-aviation related like maritime and ground-based, e.g. rural customers)  
| - satellite capacity can only be scaled by adding satellites  
| - only minor tweaks by re-arranging spot-beams possible  
| LATENCY | - ultra-long signal latency, typically >500ms\(^1\)  
| | - only limited internet use-cases feasible  
| SYSTEM AVAILABILITY | - complex antenna technology with vulnerable moving parts lead to availability of usually not higher than 90%  
| INSTALLATION | - installation only possible during c-checks  
| | - fleet installation turnaround measured in years  
| WEIGHT & DRAG | - typically large, cumbersome, heavy/prone to wear antennas with significant knock-on for kerosene consumption  
| AVIATION EXCLUSIVITY | - Capacity is shared with many non aviation customers and user groups like maritime, agriculture or rural residential internet  

1) <sup>1</sup>