AIRBORNE ISR
NEW SATCOM REQUIREMENT CHECKLIST

The following is a brief list of key considerations when modifying an aircraft to incorporate SATCOM, and so based upon the response, Eclipse can propose the most suitable solution:

CONSIDERATION	CUSTOMER RESPONSE	RATIONALE
What type of aircraf will require the SATCOM upgrade, e.g. large, medium, small, fixed wing, rotary, UAV etc.? Is it a fleet or an individual aircraf?		Governs the size, weight and power of equipment that can be considered, in turn dictating the satellite services that can be provided
Possible installation location has been considered for the antenna on the outside and the avionics inside the aircraf?		Finding suitable locations is critical, especially relating to EMC/I / RF interference with other systems and load balancing and structural integrity
Will SATCOM be a requirement for all the aircraf missions or only for certain ones?		Roll on / Roll Of Solutions can be considered, saving weight and space when SATCOM is not required
What kind of information will be transmitted and received, e.g. internet, encrypted data, video (FPS and res), imagery, chat?		Dictates the data rate required and in turn the satellite service "type"
Where will most of the missions take place and will the aircraf likely need to operate anywhere else?		Some satellite services have regional coverage only, but even for Global Providers, limiting the region of operations can dramatically reduce price
Any aircraf airworthiness or certification requirements that must be adhered to for the modification?		Modification certification to Military or Civil (e.g. FAA, EASA) regulations can add cost and complexity
What is the expected mission length, data consumption and other services, e.g. voice, tracking?		Unlimited services on a "pay as you use" basis can be expensive, so it is always most cost ef ective for Eclipse to create a custom package, based around expected usage
What is the estimated budget, considering both capital expenditure (equipment, install, certification) and operational expenditure (satellite services, support) for the project?		Available budget will greatly dictate the equipment + services types that can be considered!

Talk to us about your SATCOM requirements:

Please send this document to A-ISR@eclipse-fr.com

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