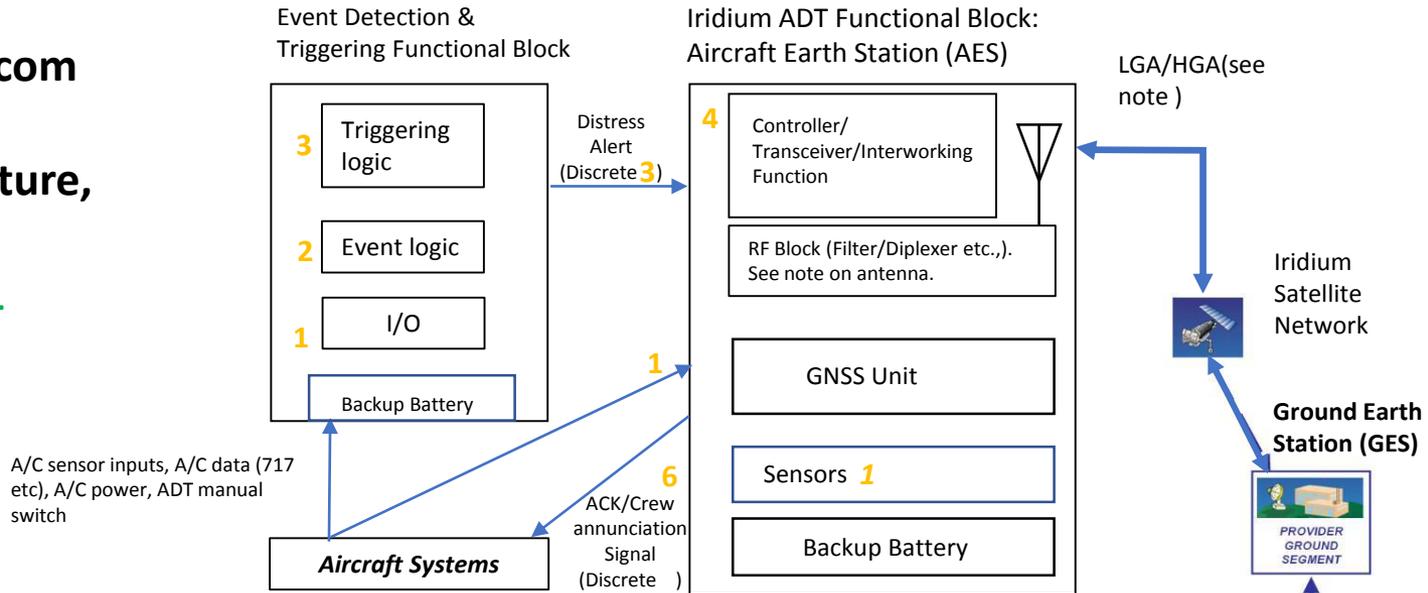


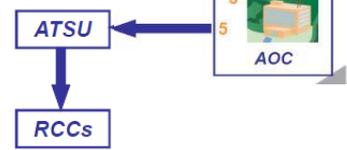
ADT-Satcom Iridium Architecture, Ver 4.0 Option 1



- ADT Functional Blocks Allocation**
- 1 – Aircraft State Function
 - 2 – Distress Detection Logic
 - 3 – Triggering criteria logic
 - 4 – Distress Tracking Transmission
 - 5 – Distress Report
 - 6 – Flight crew Feedback

Additional Notes:

- a. Renamed CMU and/or ADT Router as Controller or Interworking Function.
- b. Data Bus (one-way) to Iridium ADT enables external GNSS source and additional Abnormal and Flight Data Streaming function
- c. 2-way coms between AOC and ADT to support ground-based Distress.
- d. **Note 1:** LGA/HGA Antenna: (1) With Block 1, LGA. (2) With certus, LGA (RF block builtin to iridium transceiver function) or (3) With Certus, HGA (RF block builtin to antenna)



Note 2: It is recommended the link, A/C systems → ADT is unidirectional diode to prevent potential security breach from Ground systems and/or AISD domain. The only exception shown is ADT status going to flight deck (A/C systems domain). This exception will have to be reviewed as a team on how the potential security risk from AISD domain will be addressed.

Note 3: Ground based trigger can be used in the case of non-cooperative crew (malicious or incapacitated). This is coupled with the capability to cancel the trigger.