

# FLIGHT TERMINATION SYSTEMS

[FTS]

 **PACSCI EMC**

**WE KNOW RANGE SAFETY**

## WHY FLIGHT TERMINATION SYSTEMS?

Every day missions are at stake, lives must be protected and personnel must come home. Range Commander Council RCC-319 provides for the safety of people and missions during flight operations. In the event of an errant flight, a Flight Termination System (FTS) renders each power stage and/or propulsion system non-propulsive.

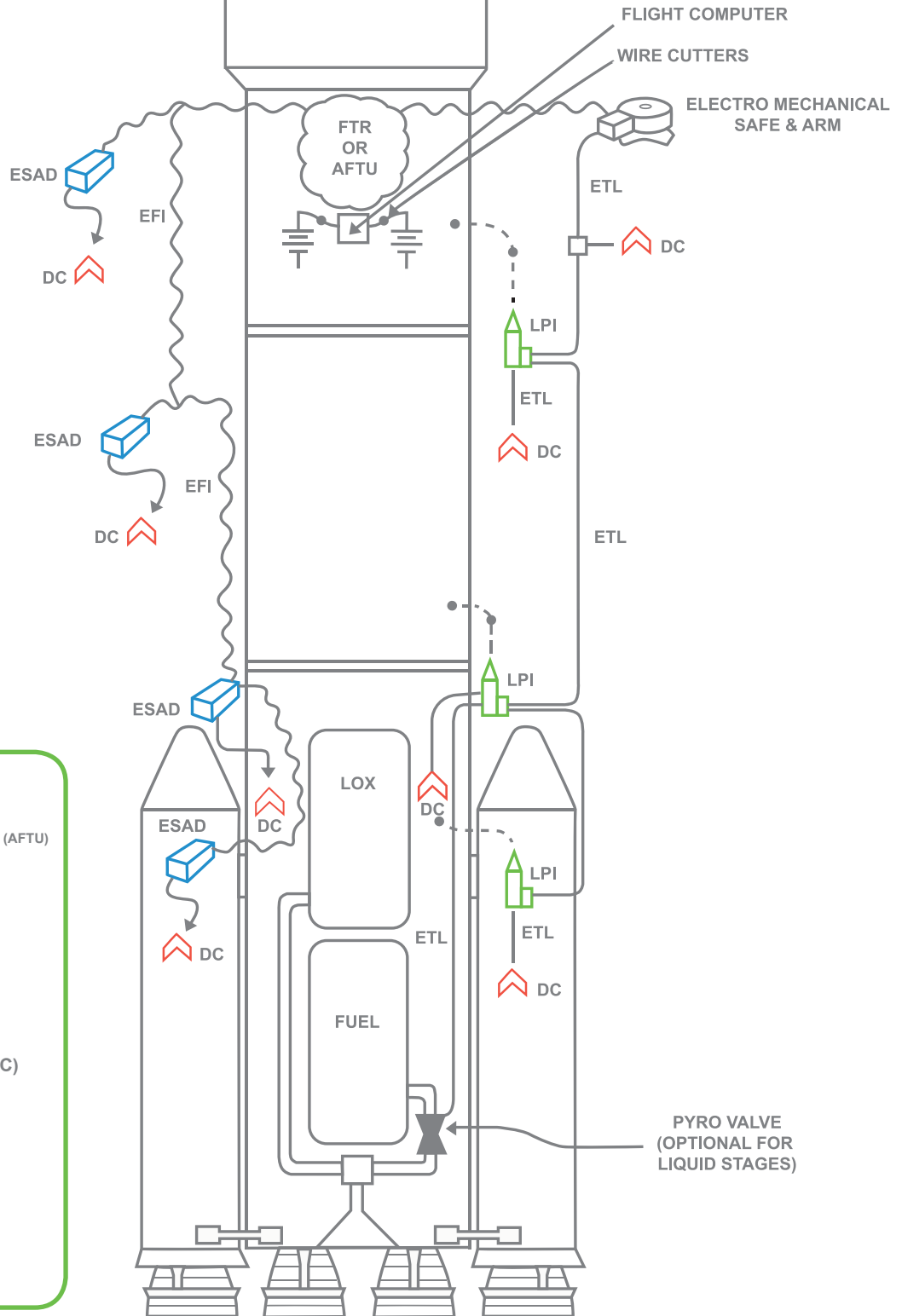
## OUR FLIGHT TERMINATION SYSTEMS INCLUDE:

- Redundancy
- Physical separation of redundant strings
- Independence from other vehicle systems
- Inadvertent separation destruct system
- when applicable
- Both engine shutdown and destruct capability when needed
- Reliability > 0.999 @ 95% confidence

# FLIGHT TERMINATION SYSTEMS

ELECTRONIC FTS

MECHANICAL FTS



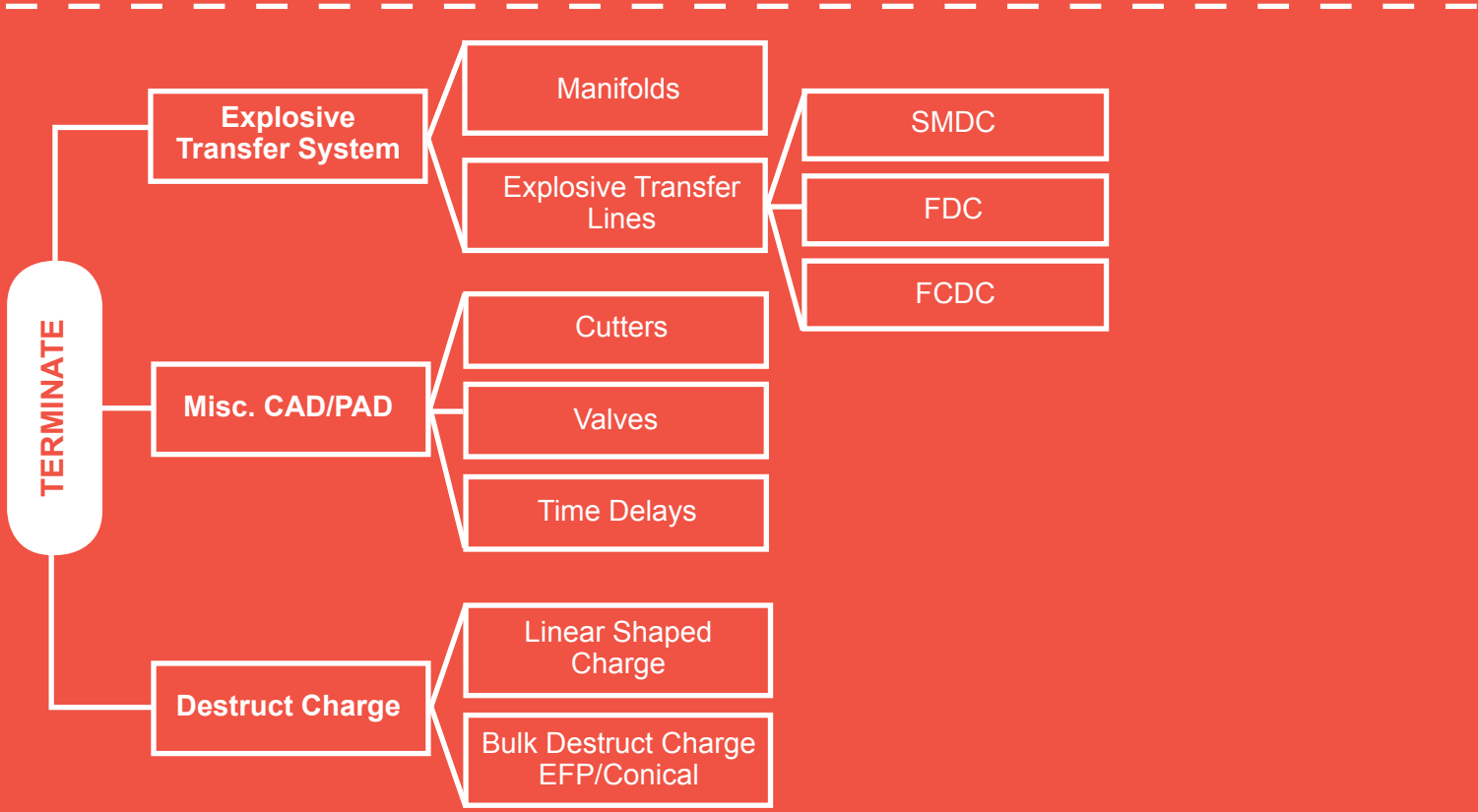
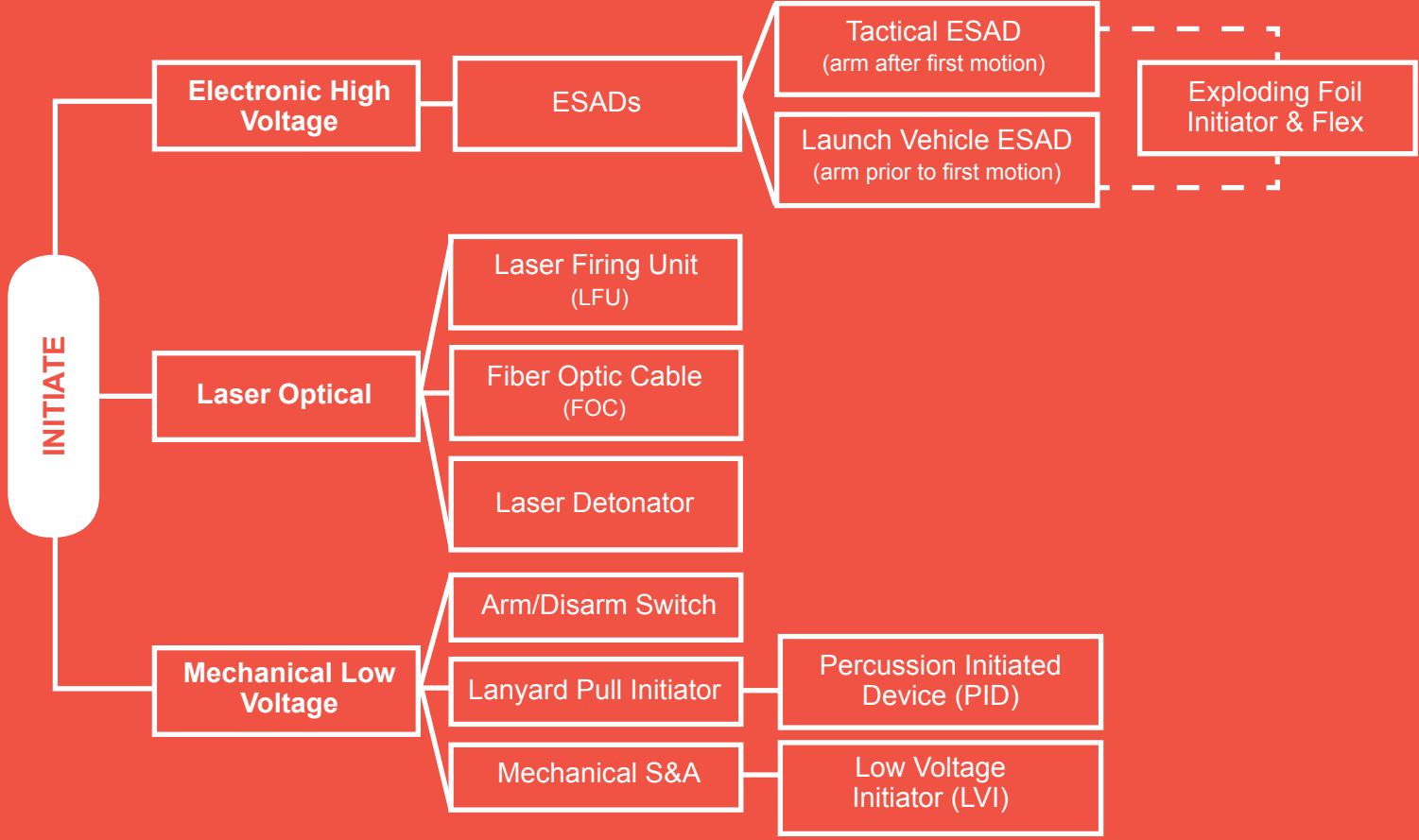
## TERMINOLOGY

- AUTONOMOUS FLIGHT TERMINATION UNIT (AFTU)
- EXPLODING FOIL INITIATOR (EFI)
- EXPLOSIVE TRANSFER LINE (ETL)
- FLIGHT TERMINATION RECEIVER (FTR)
- LIQUID OXYGEN (LOX)

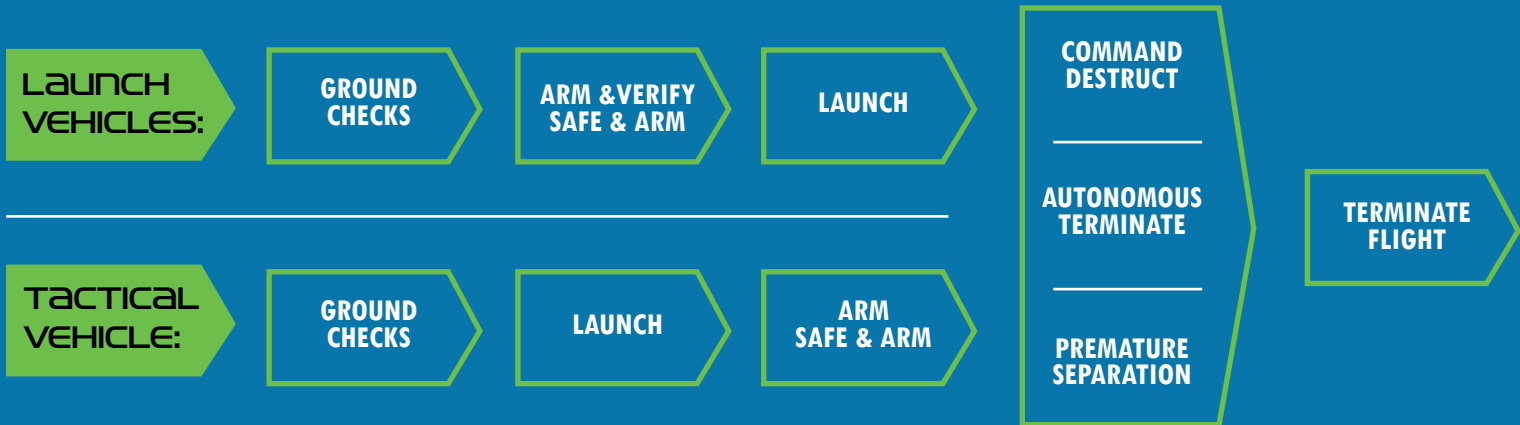
## KEY

-  DESTRUCT CHARGE (DC)
-  ELECTRONIC SAFE & ARM DEVICE (ESAD)
-  LANYARD PULL INITIATOR (LPI)

# FLIGHT TERMINATION SYSTEM COMPONENTS



# CONCEPT OF OPERATION



From concept development through qualification, we partner with you to provide an FTS solution that best fits your needs. Teaming with you while presenting your system solution to Range Safety, we ensure flight certification.

We leverage our flight heritage offering a low risk, best value solution; an FTS which is safe, qualified and functions on command, when commanded. From off the shelf to custom designed solutions, your success is our mission.

## WE KNOW RANGE SAFETY.