

321 STS DZ/LZ Lights Q&A

1. CLIN 0001 shows a quantity of “1 Each.” How many individual light units are required within the complete remote marking system?
 - a. The requirement is for one (1) complete marking system containing a minimum of thirty (30) individual lights. This quantity is equivalent to the LodeStar 2 Bravo kit configuration.
2. The salient characteristics state that the system must be capable of operation by your ATAK handheld devices. What interface, protocol, plug-in, radio/control hardware or software version must the offered system support?
 - a. The offered system must be fully compatible with the Android Tactical Assault Kit (ATAK) software. The LodeStar 2 utilizes standard ATAK software deployed on handheld end-user devices (EUDs) such as tactical mobile phones and tablets. The current inventory utilizes the ATAK plug-in. Offerors must either provide a system that integrates seamlessly with the existing plug-in or delivers an equivalent, fully compatible ATAK plug-in/software integration capable of controlling the offered light kits directly from the ATAK interface.
3. What documentary evidence is required to substantiate resistance to rollover/loading effects from C-130 and C-17 aircraft?
 - a. Offerors must provide technical data sheets, test reports, or engineering certifications demonstrating that the light units can withstand the operational environment of active airfields. Specifically, the lights will be deployed in areas subject to direct tire rollovers and high-velocity jet blast from heavy transport aircraft (up to C-130 and C-17 footprints) as delineated in Department of the Air Force Manual (DAFMAN) 13-217 and Unified Facilities Criteria (UFC) 3-260-01 and 3-535-01. Evidence of physical durability and stability under these blast and load parameters is required.
4. Please confirm expected LOS maximum distance between remote and individual light.
 - a. The system must support a reliable Line-of-Sight (LOS) control range of 3,000 feet to 15,000 feet between the controlling transmitter/remote device and the individual light units.
5. Please confirm flash pattern rate
 - a. There is no specific pre-defined flash pattern rate required as of now, provided the system supports programmable or selectable flashing capabilities. However, all offered light units must meet a strict minimum luminous intensity threshold of 15 candelas in their designated operating modes.
6. Please confirm if a reduced signature feature is required. (For example, reducing visibility by 25/50/75%).
 - a. A variable percentage-based reduced signature feature is not a mandatory requirement but is desirable during times of sunrise and sunset. However, the system must support both overt and covert (Infrared/IR) spectrums. The overt spectrum must feature user-selectable color outputs, specifically including Green, Blue, White, and Red.
7. Please provide the required quantities for:
 - a. Base stations – Zero base stations are required, if we are talking about a separate device that controls the lights. The system must operate with ATAK software and without the footprint of a centralized physical base station.
 - b. Baseplates, tie-down assemblies - Dedicated standalone baseplates are only required if the offered light units do not feature an integrated ground-securing mechanism. The system must possess the capability to be secured directly to the surface using a minimum of two (2) standard ground stakes or nails to prevent displacement during airfield operations and high-wind events.