

## REQUEST FOR EXTENSION OF EXPERIMENTAL AUTHORITY

Lockheed Martin Corporation (“Lockheed Martin”) holds experimental STA under Call Sign WS9XCB (File No. 0744-EX-ST-2021) to operate on the frequencies that are the subject of this request. Under its STA, Lockheed Martin conducted preliminary testing to determine the feasibility of a new communications architecture that Lockheed Martin is testing as a viable option for control of an aircraft platform using a Common Data Link (CDL) terminal.

Based on the positive results of its preliminary testing at the location, Lockheed Martin has determined that it will implement a longer-term test program with the objective of completing demonstrations necessary to satisfy internal work authorized in support of the platform.

Lockheed Martin wishes to continue operations on the subject frequencies in the area identified on the related Form 442. Primarily the operations will permit Lockheed Martin to test proof of concept and system verification to support anticipated future operational needs.

Accordingly, pursuant to 5.61(c) of the Commission’s Rules, Lockheed Martin respectfully requests continued authority under the terms of its STA for which it seeks a conventional license for a period of 24 months.

### **Nature of operations.**

As noted in its initial STA request, Lockheed Martin seeks authority to operate a fixed transmitter at its Palmdale facility. Lockheed Martin will operate under this authority to test and authenticate the effectiveness of L3’s MiniT2 technology for CDL functions. L3’s MiniT2 Transceiver is a fully capable CDL terminal enhanced for wideband mobile networking.

Lockheed Martin acknowledges that the conditions applied to its current STA will likely apply to its request for permanent experimental authority.

Lockheed Martin is prepared to coordinate all activity conducted under this authorization with DOD Western Area Frequency Coordinator (WAFC)/China Lake, as it has been up to this point.