Commercial Space Transportation Safety Approval

Safety Approval Number: SA-18-008

Millennium Engineering and Integration Company

is issued a safety approval, subject to the provisions of 51 USC Subtitle V, chapter 509, and the orders, rules, and regulations issued under it

This safety approval is issued to Millennium Engineering and Integration Company for its ability to provide its Flight Analyst Workstation (FAWS) as a component of the process to build flight rules, generate the mission data load (MDL), and verify the MDL prior to loading it onto a launch vehicle's autonomous flight safety unit (AFSU).

This Safety Approval is granted subject to the terms, conditions, and limitations set forth in safety approval order A, and any subsequent orders issued by the Office of Commercial Space Transportation.

The holder of this safety approval must at all times comply with the regulations prescribed by the Office of Commercial Space Transportation for the activities authorized by this safety approval.

US Department
of Transportation
Federal Aviation Administration

800 Independence Ave., S.W.
Washington, D.C. 20591

Issued: **January 18, 2018**

Effective: **January 18, 2018**

Kenneth Wong

Manager, Licensing and Evaluation Division

Safety Approval Order No. SA 18-008A

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
SAFETY APPROVAL ORDER REGARDING

Flight Analyst Workstation (FAWS)

SAFETY APPROVAL NO. SA 18-008
ISSUED TO
MILLENNIUM ENGINEERING and INTEGRATION COMPANY (MEI)

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1. Authority: This Order is issued to Millennium Engineering and Integration Company (MEI) under 51 U.S.C. Subtitle V, chapter 509.

2. Purpose: This Order modifies Safety Approval No. SA 18-008 issued concurrently by the Federal Aviation Administration's (FAA) Office of Commercial Space Transportation (AST). This Order prescribes as conditions to the Safety Approval certain requirements applicable to the approved safety element.

3. Scope: The safety element is a component of the process of generating and verifying mission data loads (MDLs) for autonomous flight safety units (AFSUs). The Flight Analyst Workstation (FAWS) is a suite of tools and utilities that allow flight safety analysts to build the flight rules, generate the MDL, and verify the MDL prior to loading it onto a launch vehicle's AFSU.

4. Flight Analyst Workstation: MEI may offer FAWS as a component of the process of generating and verifying MDLs for AFSUs to a prospective launch or reentry operator to meet the applicable requirements of 14 CFR §§ 417.123(b), (d), and (e) and 14 CFR § 417.309(h).

5. Safety Approval Term: Safety Approval No. SA-18-008 expires in 5 years from the effective date of the Safety Approval.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: Kenneth Wong

Kenneth Wong, Manager
Licensing and Evaluation Division

Issued: January 18, 2018
Effective: January 18, 2018