

Commercial Space Transportation Safety Approval

Safety Element Approval Number: SEA 18-008 (Rev 1)

Axient Corporation

is issued a safety element 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 Axient Corporation 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 Element 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., SW
Washington, D.C. 20591

Original Issued On: January 18, 2018
Rev 1 Issued On: January 17, 2023
Rev 1 Effective On: January 18, 2023

**MICHELLE S
MURRAY**

Digitally signed by MICHELLE S
MURRAY
Date: 2023.01.17 14:36:59 -05'00'

Manager, Safety Authorization Division

Revision 1 - Issued January 17, 2023

- 1) Redesignated Safety Approval Number: SA 18-008 to Safety Element Approval Number: SEA 18-008 (Rev 1)
- 2) Replaced "Millennium Engineering and Integration Company" with "Axient Corporation" as a result of a corporate merger and rebranding as Axient Corporation
- 3) Replaced "Safety Approval" with "Safety Element Approval" to reflect name change
- 4) Changed "Issued" date to "January 17, 2023, and "Effective" date to January 18. 2023"

Safety Element Approval Order No. SEA 18-008A (Rev 1)

OFFICE OF
COMMERCIAL SPACE TRANSPORTATION
SAFETY ELEMENT APPROVAL ORDER REGARDING

Flight Analyst Workstation (FAWS)

SAFETY APPROVAL NO. SEA 18-008 (Rev 1)
ISSUED TO
AXIENT CORPORATION

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1. Authority: This Order is issued to Axient Corporation under 51 U.S.C. Subtitle V, chapter 509.
 2. Purpose: This Order modifies Safety Element Approval No. SEA 18-008 (Rev 1) issued concurrently by the Federal Aviation Administration's (FAA) Office of Commercial Space Transportation (AST). This Order prescribes as conditions to the Safety Element 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: Axient Corporation 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. SEA 18-008 (Rev 1) expires in 5 years from the effective date of the Safety Approval.

OFFICE OF COMMERCIAL SPACE TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

By: **MICHELLE S MURRAY** Digitally signed by MICHELLE S MURRAY
Date: 2023.01.17 14:37:47 -05'00'

Michelle S Murray, Manager
Safety Authorization Division

Original Issued On: January 18, 2018
Rev 1 Issued On: January 17, 2023
Rev 1 Effective On: January 18, 2023

Safety Element Approval Order No. SEA 18-008A (Rev 1)

Revision 1 - Issued January 17, 2023

- 1) Replaced "Safety Approval" with "Safety Element Approval" to reflect name change
- 2) Redesignated "Safety Approval Order No. SA 18-008A" to "Safety Element Approval Order No. SEA 18-008A (Rev 1)"
- 3) Replaced "Millennium Engineering and Integration Company" with "Axient Corporation" as a result of a corporate merger and rebranding as Axient Corporation
- 4) Redesignated "Safety Approval Number: SA-18-008" to "Safety Element Approval Number: SEA 18-008 (Rev 1)"
- 5) Changed "Issued" date to "Rev 1 Issued On: January 17, 2023" and "Effective" date to "Rev 1 Effective On: January 18, 2023"