

FIRST ARTICLE INSPECTIONS FOR STADLER TRAINS

As part of the First Article Inspections (FAI), Carbody and Truck Frames are planned to be inspected jointly by UTA and Stadler at the point of manufacture, Valencia, Spain between July 19th and August 5th, 2026. During this visit, the Light Rail Vehicle carbody will be inspected to confirm manufacturing readiness, compliance to contractual and applicable standards, dimensional accuracy, documentation, finish quality, and preparedness prior to production release. This trip also includes a short technical visit to Basel, Switzerland for review of their carborne safety systems relevant to UTA vehicles. Firm dates for the FAI are currently being validated by Stadler and will be submitted to UTA as they become available.

Agenda:

Day 1 and 2:

Travel from SLC, United States to Valencia, Spain

Day 3:

FAI Kickoff & Raw Carbody Inspection (Valencia)

- Program kickoff, safety briefing, and agenda confirmation
- Overview of manufacturing process and quality approach
- Raw carbody post welding inspection
 - o Visual weld inspection
 - o Weld map and NDT verification
 - o Material traceability confirmation

Outcome: Confirmation of weld quality and structural readiness baseline

Day 4:

Dimensional Verification (Valencia)

- Datum structure confirmation
- Laser tracker dimensional measurements
- Interface, access, and drainage feature verification
- Review of preliminary dimensional compliance results

Outcome: Verification of as-built geometric compliance

Day 5:

Primer, Paint & Configuration Alignment (Valencia)

- Surface preparation and environmental controls review
- Primer and paint application verification
- Coating thickness, color, gloss, adhesion checks
- Configuration baseline alignment (approved vs. as built)

Outcome: Validation of finish quality and configuration control

Day 6:

Structural Integrity, Mass & Packaging (Valencia)

- Review of structural analysis references and standards compliance
- As built weight and center of gravity verification
- Packaging, corrosion protection, and transport readiness review

Outcome: Confirmation of structural compliance and shipment readiness

Day 7:

Documentation Review & UTA Sign Off (Valencia)

- FAI documentation package review (measurements, certificates, photos)
- Nonconformance review and corrective action alignment (if applicable)
- Configuration baseline approval
- Formal UTA First Article Inspection sign off

Outcome: FAI completion and authorization to proceed

Day 8:

Travel to Basel, Switzerland

Day 9:

CBTC Benchmark Evaluation (Basel)

- Basel Transit CBTC system overview
- Architecture, subsystem interfaces, and operational concept review

Day 10:

CBTC Evaluation & Close Out (Basel)

- Control center visit
- On vehicle CBTC equipment review
- Lessons learned applicable to the UTA program

Day 11:

Return Travel

- Basel → Salt Lake City

FAI participants to include:

1. Kyle Stockley
2. Bryan Sawyer
3. Ryan Gardner
4. Sharanjit Saini