

Element Performance Inspection (EPI)

1.3.17 Weight and Balance Program (AW)

Purpose of this Element (Air Carrier's responsibility):

To ensure the Air Carrier accurately determines the weight of the aircraft, calculates the center of gravity, and maintains current records.

Objective (FAA responsibility):

To determine if the Air Carrier follows its policies and procedures for the Weight and Balance Program.

Specific Instructions for this EPI:

To accomplish this EPI, the inspector shall ensure the Air Carrier follows its policies and procedures for Weight and Balance. The inspector shall ensure the Air Carrier maintains Weight and Balance records, and provides flight crew with proper Weight and Balance information.

Related EPIs:

- 1.2.1 Airworthiness Release / Logbook Entry (AW)
- 1.3.1 Maintenance Program (AW)
- 1.3.2 Inspection Program (AW)
- 1.3.3 Maintenance Facility / Main Maintenance Base (AW)
- 1.3.8 Control of Calibrated Tools and Test Equipment (AW)
- 1.3.9 Engineering / Major Repairs and Alterations (AW)
- 1.3.14 General Maintenance Manual / Equivalent (AW)
- 4.2.1 Maintenance Training Program (AW)
- 5.1.1 Line Stations (AW)

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To meet this objective, the inspector will accomplish the following tasks (at the inspection locations where applicable):

1. Review the FAA Guidance and Specific Regulatory Requirements (SRR) included in the supplemental information section of this EPI.
2. Review the associated SAI, with emphasis on the Controls Attribute section.
3. Review and assess the Weight and Balance Program.
4. Discuss Weight and Balance procedures with the appropriate personnel.
5. Review and assess appropriate Weight and Balance records.

To meet this objective, the inspector will answer the following questions:

1. Were the following performance measures met:

<i>1.1 Aircraft were weighed in accordance with the Air Carrier's policies and procedures.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
<i>1.2 The Air Carrier weighed its aircraft using calibrated equipment.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
<i>1.3 The Air Carrier maintained complete and continuous Weight and Balance calculation records, which included the effects of repairs and alterations.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
<i>1.4 Each aircraft had specific Weight and Balance information available for use by flight crews and dispatch.</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
2. Were the procedures followed for the Weight and Balance Program?	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
3. Were the identified controls followed for the Weight and Balance Program?	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:
4. Did records comply with the Air Carrier's procedures for the Weight and Balance Program?	<input type="checkbox"/> YES <input type="checkbox"/> NO	If no, explain:

5. <Deleted>

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SUPPLEMENTAL INFORMATION

SRRs:

- 14 CFR 119.49 (a, b), “Contents of operations specifications.”
- 14 CFR 121.135 (b), “Contents.” (Manuals)
- 14 CFR 121.198 (b)(1-4), “Cargo service airplanes: Increased zero fuel and landing weights.”

Other CFRs and FAA Guidance:

- 14 CFR 119.3, “Definitions.”
- 14 CFR 121, “Subparts I and N.”
- 14 CFR 121.153 (b), “Aircraft requirements: General.”
- 14 CFR 121.693, “Load manifest: All Certificate Holders.”
- FAA Order 8300.10, Vol. 2, Chap. 74, “Evaluate FAR Parts 121 And 135 (10 Or More And Turbine Powered Aircraft) Operator's Weight And Balance Control Program.”
- FAA Order 8400.10, Vol. 3, Chap. 15, “Manuals, Procedures, and Checklists.”
- FAA Order 8400.10, Vol. 3, Chap. 15, Sect. 3, Par. 2133, “Weight and Balance Procedures.”
- HBAW 95-14 and HBAW 95-15, - “Adherence to Advisory Circular 120-27C, Aircraft Weight and Balance Control.”
- Refer to Advisory Circulars using a search engine (such as ATP Navigator or Summit).