

ASO Quick Guide

This quick guide is based off the Assessor Sign-Off (ASO) Work Procedure.

Refer to full Work Procedure for more information.

If the ASO limits are exceeded, a DA Modification is required.

Dimensional Anomalies

If a dimension is within the certification tolerance (the lesser of 1% or 20mm) this is not an anomaly and as such no ASO is required.

1. Maximum of **six dimensional anomalies per combination** (not per vehicle unit).
2. Dimensional anomaly limit applies per dimension-set.
3. All dimensions can deviate by **±300mm** except for FWO which is exempted from a limit.
4. **OAL**: the maximum deviation is **+500mm**

Component Anomalies

1. Maximum of **five component anomalies per vehicle unit**.
2. Component anomaly limit applies per dimension-set.
3. Tare Weight, Track Width, GCM, GVM and ATM Rating are component anomalies.
4. **Transmission** - If Make and/or Model differs, but ratios are *exactly* the same and the FDR falls within the allowed range, this is not an anomaly.
5. **Engines** – If Make and/or Model differs, but the horsepower and torque requirements are met, this is not an anomaly.
6. **Truck/PM Make and Model** – Both Make and Model anomalies combined are counted as one component anomaly.
7. **Trailer/Dolly Make and Model** – Trailer/Dolly Make and Model deviations are not counted as anomalies.

Changes to Vehicle Body Type

1. The new body type must be eligible to carry the same payload type and at the same payload heights.
2. An as-built combination can be changed to carry containers, provided payload type and payload heights remain the same. In this case, a PMP would be required.

Anomalies Requiring DA Modification

1. Change to vehicle width exceeding 2.5m
3. OAH exceeding the original approved height bracket 4.3m/4.6m
4. Increase to overall mass and axle group masses
5. Changes to payload heights; change to tanker body type and fill levels
6. Addition/removal of steerable or lift axles or changes to the steer/lift axle position
7. Tyre size and load rating – see IPAC-13 Implementation of the generic tyre approach.
8. Changes to dimensions that causes the dimension between adjutant axle groups to be less than 2.5m
9. Vehicles with Vehicle Standards Exemptions – dimensions covered in IPA/VTA cannot be changed via ASO
10. Special requirements apply to vehicles built under designs containing Section 8 or Section 9 Exemption
11. Special requirements apply to vehicles fitted with split axle groups
12. Changes that would require additional exemptions that are not covered under Section 28 of the *HV(Gen)NR*

Grandfathering Rules

Previously approved anomalies, including those not recorded using the current ASO format, can be grandfathered in the following scenarios:

1. When adding a new standalone combination to the VA, previously approved anomalies for existing vehicles on the VA can be grandfathered. Anomalies related to the new standalone combination must be recorded on an ASO.
2. If the new vehicle/s can be used in a combination with vehicles previously approved, anomalies related to that combination, which includes the new vehicle/s, must be recorded using the current ASO format. Anomalies to existing vehicles being used in the new combination must also be recorded on the ASO.

It is strongly recommended that all previously approved anomalies are transitioned to the latest ASO format. This practice ensures a single point of reference for all anomalies and simplifies the management of anomalies in the future.

Inclusion of Additional Vehicles and ASO

1. If a fully identical vehicle is being added to a VA, it is strongly recommended to provide a copy of the existing ASO as part of VA application. The existing ASO does not need to be re-signed by the Assessor.
2. If a new vehicle is being added to a VA, and there are new anomalies, an updated ASO must be provided. The updated ASO must be re-signed and dated.

Submission of ASO

1. If an as-built combination contains certification anomalies, an ASO must be provided as part of a VA application.
2. By signing and dating the ASO, the Assessor confirms that the listed combinations comply with the PBS standards at the same or higher level of performance as shown on the corresponding DA.