AMS specifications

Codes, process and material specifications:

AMS 2750E  
Covers pyrometric requirements for thermal processing equipment used for heat treatment. It covers temperature sensors, instrumentation, thermal processing equipment, system accuracy tests and temperature uniformity surveys.

BAC 5621  
Establishes equipment classifications and instrumentation types for processes requiring controlled temperatures. (similar to AMS 2750E) Boeing process specification title: “temperature control for processing materials”

RPS953  
Rolls Royce specifications for “laboratory control procedure for heating furnaces and Associated equipment and the thermal processing of materials”. Equipment shall meet AMS 2750E Class 2 for temperatures <1380degF

NADCAP AS7102  
This aerospace standard (AS) establishes the requirements for heat treating accreditation by the National Aerospace and Defense Contractors Accreditation Program (NADCAP)

Specifications for materials:

AMS 4439G  
This specification covers magnesium alloy in the form of castings

AMS 2759E  
Establishes general requirements for heat treating of steel parts

MS 2759/11  
Establishes general requirements for thermal stress relief treatments of steel parts.

- Carbon and low alloy steels
- Tool steels
- Precipitation hardening, corrosion-resistant and maraging steel
- Austenitic corrosion-resistant steels
- Martensitic corrosion-resistant steels

AMS 2770J  
Heat treatment of wrought aluminum alloys parts

AMS 2771E  
Heat treatment of aluminum alloy castings

AMS 2772F  
Heat treatment of aluminum alloys raw materials

Read the following article to learn more about AMS2750E specifications.