

Aerospace Alloy Selection Justification

Project/Component Name

Date

Prepared By

1. Application Description

Brief Description

Operating Environment

2. Functional Requirements

Mechanical Requirements

Thermal Requirements

Other Critical Requirements

3. Alloy Options

Candidate Alloys Considered

Relevant Standards/Specifications

4. Evaluation & Comparison

Property Comparison Table

Pros & Cons of Each Alloy

5. Selected Alloy & Justification

Alloy Selected

Justification

6. Additional Notes / References