

S-Series: The Key to Future-Ready Integrated Product Support (IPS) Solutions

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22-05-2025

ASD General Assembly

What is Team Defence Information?



- A collaborative association that informs defence information policy and pilots new ways of working to transform the defence ecosystem
- We bring into play the collective insights, knowledge and innovations of our members to help the MOD deliver its objectives for equipment, support, logistics, and information
- Collaboration with the MOD gives members invaluable business intelligence to align and enhance their products, services, and working practices

TD-Info Members – Diversity an Asset



Over 150 defence company members including
35 Lead Sponsors and over 50 Small to Medium
Enterprises



Lead Sponsors



Corporate
Members

Executive Summary



THE CHALLENGE

European A&D platforms are growing in complexity, but fragmented Product Support data and solutions are holding us back.



THE SOLUTION

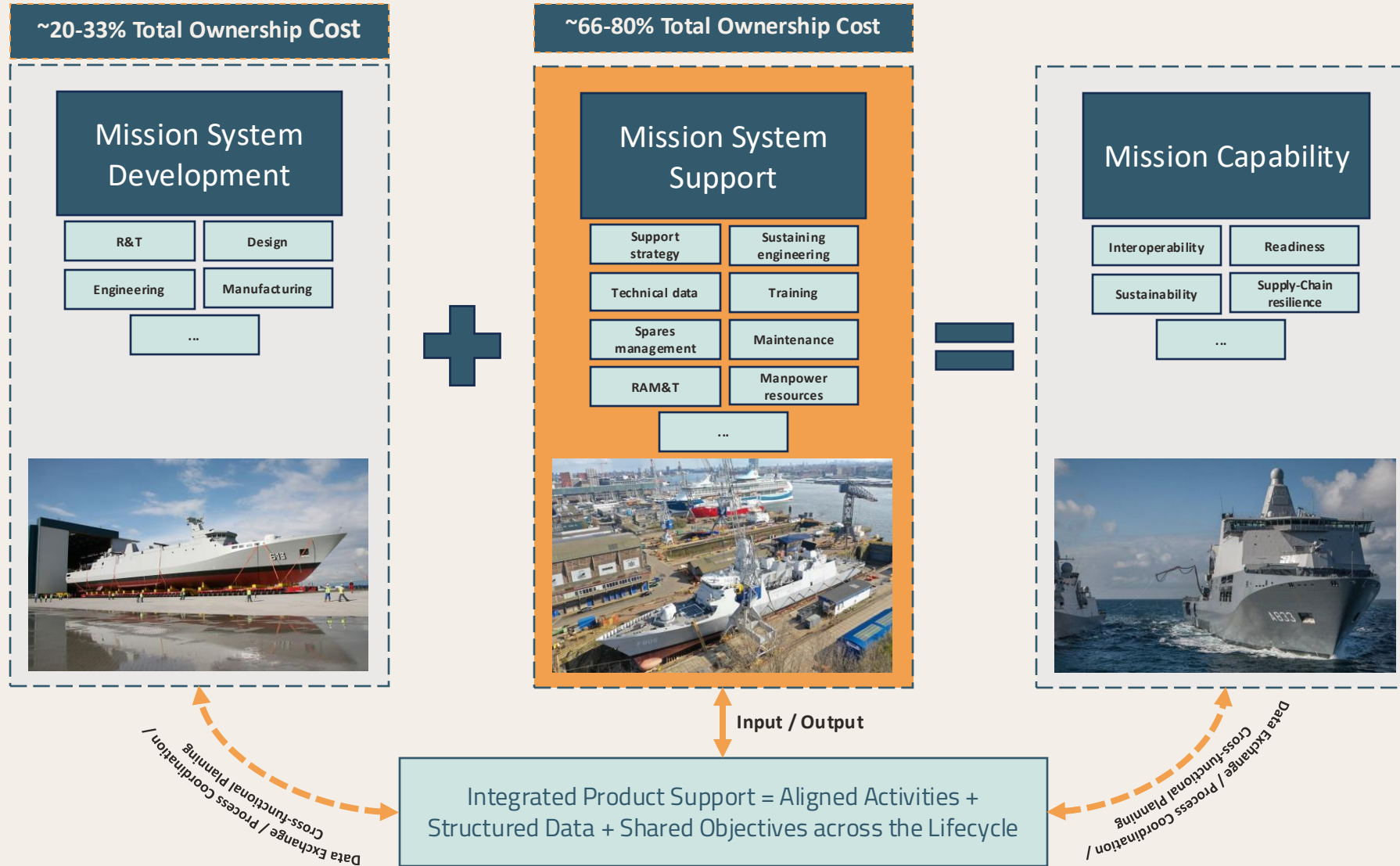
The S-Series is the only global IPS standard built by and for industry, adopted by customers and driving interoperability, readiness, and cost-efficiency.



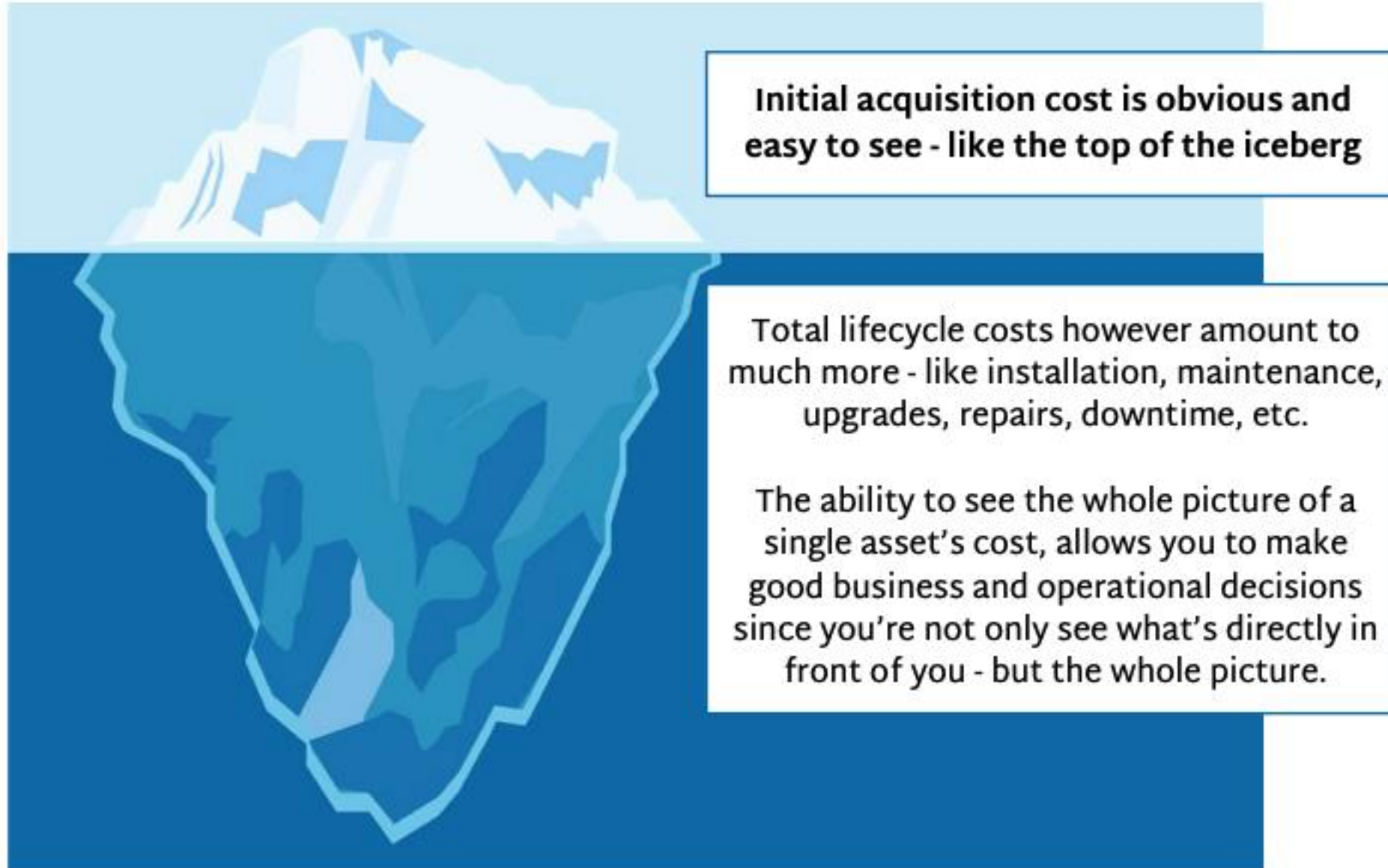
WHAT WE NEED

Structured support from ASD members to maintain, evolve, and position the S-Series as the global standard for A&D product Support solutions.

What is Integrated Product Support?



The Importance of Support (Through Life)



IPS: A Strategic Capability Under Transformation

Integrated Product Support is key to performance, profitability, and customer satisfaction across a system's lifecycle. As next-gen platforms grow more complex and connected, support must evolve too – becoming more integrated, digital, and data-driven.

Why it matters:

- **2/3 of Total Ownership Cost:** Product Support is the biggest cost/revenue driver in aerospace & defence programmes.
- **Revenue and trust generator:** Long-term contracts depend on reliable in-service support.
- **Competitiveness Enabler:** Companies that master support win more business and keep it.

What's Changing:

- **Next-Gen platforms require Next-Gen support:** System-of-systems, software-driven, AI-enabled assets need integrated, adaptive Support solutions.
- **Real-Time, Data-Driven Expectations:** Customers want faster updates, predictive maintenance, and lifecycle traceability.
- **Multi-Stakeholder Complexity:** Global supply chains, multinational operations demand seamless interoperability



Without a structured, standardised approach, organisations face higher costs, inefficiencies, supply chain bottlenecks, and reduced readiness



Introducing the S-Series suite of IPS Specifications

The S-Series specifications provide a unified framework to manage **processes** and **data** throughout the **lifecycle of systems**, ensuring reliability, efficiency, and **mission readiness**. By serving as a single source of truth for IPS data operations, they enable seamless, efficient, and integrated support across stakeholders.

How the S-Series Work:

- **Unified Data Framework:** Provides consistent, machine-readable formats, eliminating fragmented systems.
- **Interoperability Across Stakeholders:** Enables smooth data exchange and system integration across the supply chain.
- **Lifecycle Integration:** Use a unified data model to standardise information exchange across design, maintenance, and operational feedback, ensuring seamless alignment and continuous improvement.

Added value of the S-Series:

- **Collaboration and interoperability:** Unites OEMs, operators, suppliers, and MROs under one standard framework.
- **Efficiency and cost savings:** Reduces redundancies, eliminates silos, and streamlines sustainment processes.
- **Enables innovation:** Supports digital twins, AI-driven insights, and real-time diagnostics.

S-SERIES

ASD

S1000D

Technical Publications: Standardised documentation, structured XML-based authoring

S2000M

Materiel Management: Parts provisioning, procurement, and stock control

S3000L

Logistic Support Analysis (LSA): Failure analysis, reliability, and lifecycle cost management

S4000P

Preventive Maintenance: Maintenance planning and task optimization

S5000F

In-Service Data Feedback: Operational data collection for sustainment and improvement

S6000T

Training Needs Analysis: Structured approach to training development

SX000i

IPS Governance & Integration: Guiding principles for IPS implementation

Building on a legacy: Evolving the S-Series for tomorrow's challenges

A proven foundation:

- Born in Europe in the 1980s to support complex, multinational defence programmes.
- Backed by a 2007 MoU with the US – now used across Europe, North America, and Asia-Pacific.
- Embedded in major MoD procurement requirements across NATO nations.

A strategic opportunity:

- A common IPS language across the supply chain – connecting OEMs, MROs, suppliers, and customers.
- Boosts readiness, cuts sustainment costs, and drives efficiency.
- Lays the groundwork for AI, predictive maintenance, and digital twins.

Keeping Europe in the lead:

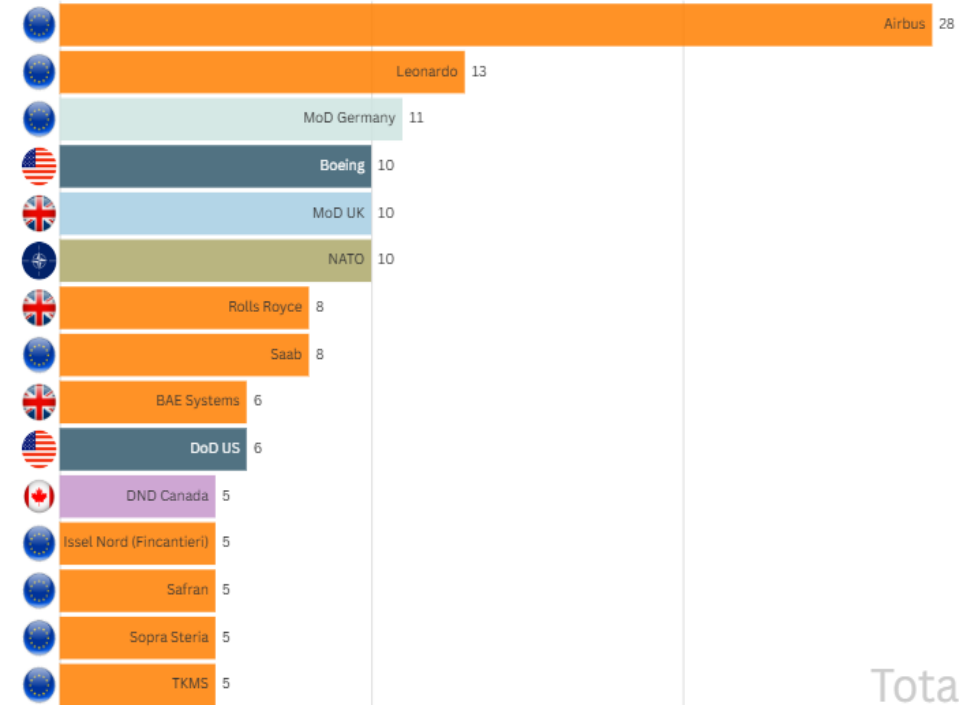
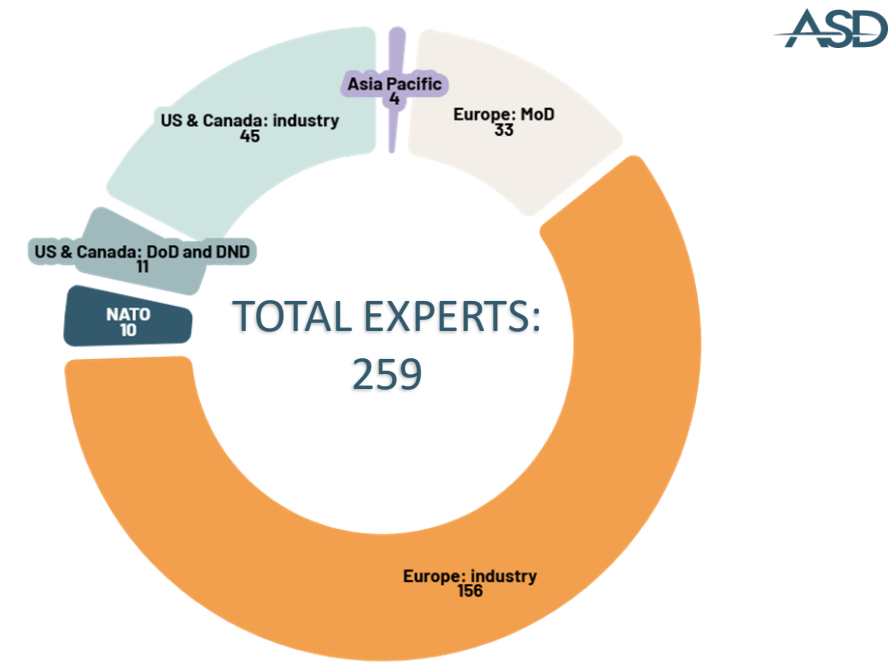
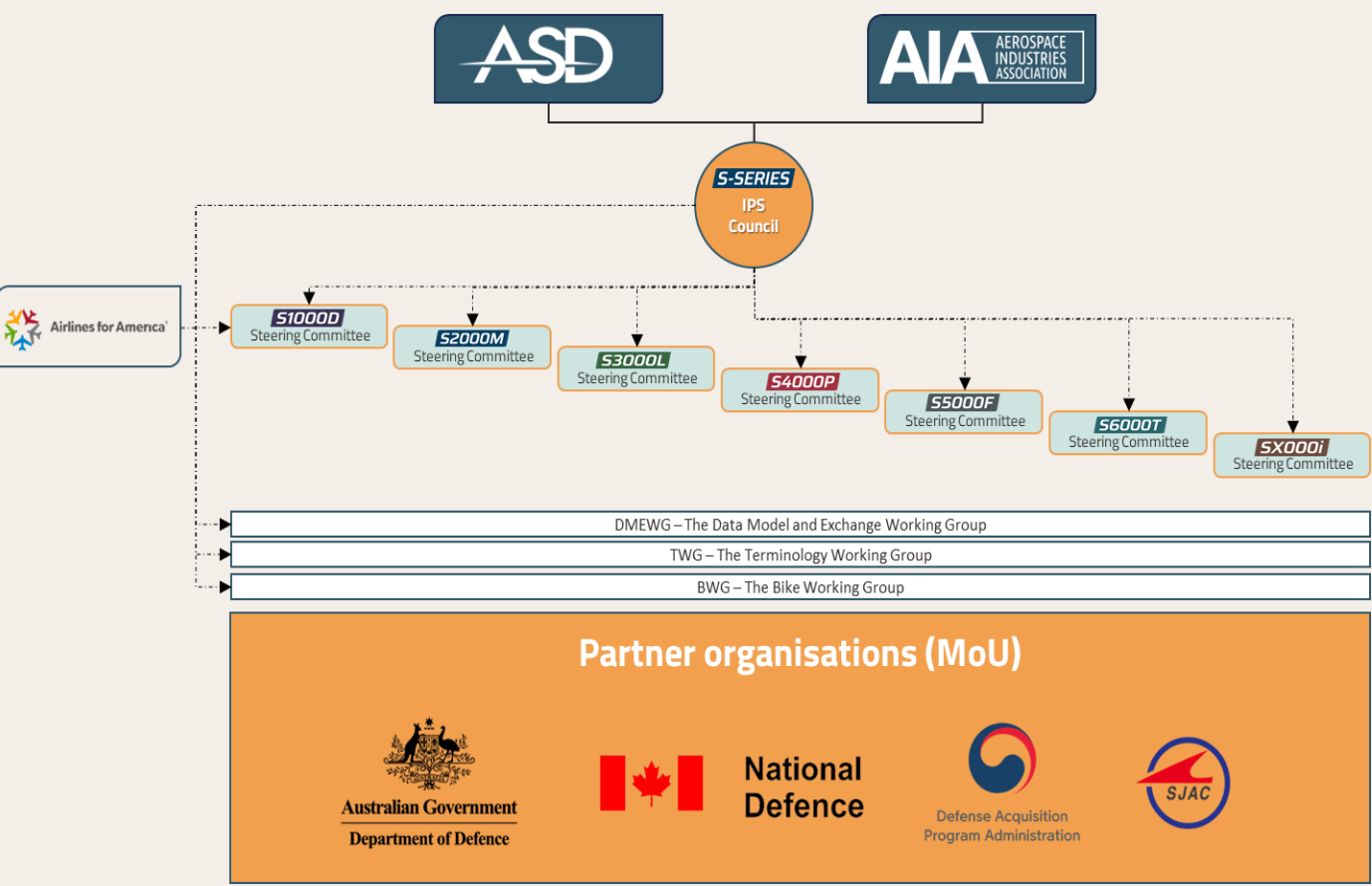
- Defence customers want faster, smarter, more connected support.
- Without action, the S-Series risks losing ground to fragmented or foreign-led efforts.
- Now's the time to invest and lead – or risk falling behind



The S-Series represents a European-led innovation that strengthens the global position of European A&D companies.



S-Series Governance and Working Structure



Total: 135

Your role in shaping the future

- **The challenge we face:** The S-Series is now becoming the global reference for IPS, but its development still depends on ad-hoc contributions. To keep pace with customer requirements and to integrate AI, digitalisation, and automation, we urgently need structured tools, resources, and support.
- **The Ask:** Supporting the S-Series is not a cost – it's a strategic investment in European industry's competitiveness, interoperability, and long-term Product Support leadership.
- **What's at Stake:** Without action, the S-Series risks falling behind tomorrow's support requirements. With your commitment, we ensure ASD and partners remains in control of the standard shaping future defence Integrated Product Support solutions.



Investing in the Future of IPS

Ensuring the sustainability and evolution of the S-Series through structured support:



Expertise & Participation

- **Maintain critical expert contributions** from companies already heavily engaged, despite turnover or shifting priorities.
- **Encourage increased participation** from companies currently less active in IPS/S-Series development.



Tools & Infrastructure

- **New tools for editing & publication:** Ensure smoother updates and accessibility of specifications.
- **Shared IT infrastructure for specification management** (data modelling, access, versioning):



Dedicated Staff Support

- **One full-time staff** to support, coordinate, and promote S-Series/IPS activities across the ASD ecosystem.



Promotion & Engagement

- **Organise workshops, seminars, and promotional events** to drive adoption, awareness, and implementation across industry and government stakeholders.

Investment in new Resources & Processes will cement the S-Series as the global IPS standard for our sector, driving financial gains, operational efficiency, and securing Europe's leadership in Product Support excellence.

