Aerospace industry requirements for Level Playing Field/Intl. Competitiveness

For Level Playing Field

- Effective enforcement of state-aid, competition and international trade rules
- Comparable conditions for export finance, export controls and market access
- Fair procurement practices and transparent requirements for government-funded projects
- Internationally coordinated safety, certification and environmental requirements
- Fair access to the national and EU Research and Innovation funding

For International Competitiveness

- Long-term predictable industrial strategy
- Long-term government demand and clear priorities for civil and defence technologies
- Sustained investment in **world-class workforce** and knowledge infrastructure
- Sustained investment in aerospace R&D programmes and Technology Demonstrators
- Access to world-class R&T facilities and independent technical expertise
- Support for industrialisation, testing, certification and scaling up prototypes (launching customer)
- Support for SMEs entering European and global aerospace programmes

And last but not least, effective government coordination and sufficient government workforce with adequate aerospace knowledge and expertise (including Systems Engineering)

Three calls for action

The Age of AI needs technical leaders with real impact.

01



Grow technical integrators

Build systems thinking, cross-disciplinary collaboration and business accountability early.

02



Turn product ownership into system ownership

Own architectural trade-offs and dependencies alongside customer value and long-term outcomes.

03



Empower organizational architects

Give technical leaders authority to make decisions and shape how teams work.

INCOSE



Systems Engineering Handbook

Draft 1993





1990 — NCOSE Formed

UNISYS







Defense Systems Management College (DSMC)

Synergistic Applications, Inc.

January 1991 — 1st NCOSE Meeting

THE AEROSPACE CORPORATION

June 1991 — 1st NCOSE Workshop



IBM

1992 — NCOSE Meeting

HUGHES AIRCRAFT COMPANY

1993 — NCOSE Meeting

OSD Systems & Software Engineering Office 1st Participation



1993 — MIL-STD-499B

June 1995 — NCOSE ⟶ INCOSE



SESA





INCOSEUK

1999 — ANSI/EIA-632

2003 — INCOSE Organizes Response to Form SysML

2003 — ISO/IEC 15288

2007 — SysML v1.0 by OMG



2008 — ISO/IEC/IEEE 15288

2015 — Systems Engineering Principles Release

2022 — ISO/IEC/IEEE 15288

2023 — ISO/IEC/IEEE 15288

2025 — SysML v2.0 by OMG



Systems Engineering Body of Knowledge (SEBoK)

INCOSE/OMG SysML Collaboration

INCOSE has Advisory Groups including the

- Corporate Advisory Board
- Academic Council