



UNITED SYSTEMS EUROPE

[www.United-Systems-Europe.eu](http://www.United-Systems-Europe.eu)



## THE CONCEPT

COORDINATION  
COOPERATION  
HARMONIZATION

**A Public Private Partnership (*association*) with the objective to contribute to the creation & growth of a safe, harmonized, sustainable & socially acceptable European market for manually operated, automated & autonomous vehicle (MAA) systems for non-military professional & research applications in the aerial, terrestrial, nautical & space domains**



## WHY

**COORDINATION**  
**COOPERATION**  
**HARMONIZATION**

**Issues with implementation of the new EU regulation**

**Current dispersion of organisations & initiatives**

**Harmonization of national implementation approaches**

**Inadequately coordinated operator representation/inputs**

**Improvement of consultation between multiple stakeholders**

**Speed up the implementation process**

**Identify & prioritize the urgencies (from the operator's perspective)**

**Position EU producers & service suppliers**

**Promote & assist safe market development**



## VISION

COORDINATION  
COOPERATION  
HARMONIZATION

Unite the European community of stakeholders in the field of **non-military MAA systems** deployed in the **air, terrestrial, nautical and space (A/T/N/S)** environments, with a special focus on the companies (*SMEs/SMIs & large companies & start-ups*), non-corporate organisations, and public bodies conducting **professional operations** (*commercial & non-commercial*).

Produce, in coordination with all relevant regulatory authorities and stakeholders, **harmonized contributions** to & **proposals** for matters that are relevant for **creating & growing a sustainable and socially acceptable market** for the safe operation of MAA systems for all possible current & future purposes, at **national, European & international** level.

Take all existing, developing & upcoming technological concepts into account.



## THE APPROACH

**COORDINATION**  
**COOPERATION**  
**HARMONIZATION**

**Multi-sectorial:  
air, ground, naval, space**

**Manual, automated &  
autonomous systems**

**Operations-centric**

**All stakeholders**

**Coordination**

**Cooperation**

**Harmonization of national implementation approaches**

**No duplication of effort of ongoing initiatives**

**Creating & incrementally growing the EU market**

**Safe, sustainable & socially acceptable**

**Based on the Madrid Declaration & NAARIC Objectives**



## FUNCTIONAL OBJECTIVES

**COORDINATION**  
**COOPERATION**  
**HARMONIZATION**

- **Facilitate interaction between:**
  - Operators & regulators (national & EU)
  - Operators & Standard Producing Orgs
  - The A/G/N/S sectors
  - National, EU & international interest groups
- **Promote EU-wide harmonization of national approaches**
- **Identify & address regulatory issues that are the responsibility of EU Member States**
- **Identify gaps in the EU regulation, implementing rules & AMCs**

- **Speed up the implementation of solutions**
- **Contribute to adapting/creating new rules & regulations in EU (if & when needed)**
- **Contribute to promoting the coordination of national initiatives**
- **Guide newcomers through the MAA system (regulatory) eco-system**
- **Promote awareness & societal acceptance of MAA systems**
- **Give MAA systems community a federated voice at EU & international level**



## OBJECTIVES - I

COORDINATION  
COOPERATION  
HARMONIZATION

Promotion – Understanding - Contribution

- **Mutual understanding, info exchange, and cooperation between:**
  - MAA system stakeholders
  - MAA system Operators
  - MAA system Operators & Regulators
  - MAA system Operators & Standard Producing Organisations
- **Understanding between MAA systems community & new stakeholder groups**
- **Common classifications & terminology**
- **Make all sector-specific information available to MAA systems community**
- **Fulfil the role of mentor for new / potential MAA system market players**
- **Level playing field in the EU**

- **Future safe use of commercial & non-commercial MAA systems**
- **Information exchange & cooperation between all relevant stakeholders**
- **New standards, certification & traffic management rules at all levels.**
- **Development & implementation of acceptable insurance standards**
- **Development of acceptable education, training & examination baseline**
- **Coordination of national regulatory (*implementation*) efforts at EU level**
- **MAA system promotion efforts (at all levels (incl. general public))**



## OBJECTIVES - II

COORDINATION  
COOPERATION  
HARMONIZATION

### Purpose-Built MAA Systems

**Provide potential operators & users of data obtained by means of MAA systems with a forum to present their design/technical & operational requirements to manufacturers (*to promote system production compliant with operator needs*).**

### Access To Information

**Create a centralized MAA systems-related online document centre (*regulatory, best practices, reference documents & RFIs/RFQs*) – Access for all.**

### General Matters

**Study & investigate possible solutions to any problem related to the operation of MAA systems (*scientific, technical, operational, infrastructural, socio-economic, social, documentary, insurance & legal*).**





## DOMAINS OF INTEREST

Common To A / G / N / S Sectors

**COORDINATION**  
**COOPERATION**  
**HARMONIZATION**

**All topics of interest to MAA systems community and not covered by the EU regulation**

**Regulations, standards & usage**

**Products & services for safe operations**

**Ops management & information services**

**Support to EU entities & agencies**

**Creation / adaption existing infrastructure**

**Technical & operational qualification**

**Education, training & examination**

**Access to regulatory documents**

**Awareness creation:**

- Best practices
- Economic benefits
- New applications
- Regulatory bottlenecks & gaps
- Security risks
- Societal benefits
- Technology advances

**Research:**

- Operational
- Regulatory
- Societal
- Technical

**Community promotion**



## DOMAINS OF INTEREST

Specific To The **Aerial** Sector

**COORDINATION**  
**COOPERATION**  
**HARMONIZATION**

**Education, Training, Examination & Qualification**

**Operational Matters**

**Regulations, Standards & Usage**

**Safety - Security**

**Support, Promotion & Awareness**

**Technical Matters**

**Data Protection & Privacy**

**Environmental Concerns**



## OUTPUT & INFORMATION EXCHANGE & COORDINATION

**COORDINATION**  
**COOPERATION**  
**HARMONIZATION**

**Propose & maintain channels of communication with:**

### **European Organisations**

**EP - EC – EU agencies – EC Informal Expert Group – National accident investigation authorities & ENCASIA – EUROCONTROL – ECAC – NAARIC – NAAs of EU Member States – European Committee of Regions**

### **Interest Groups/Associations/Federations**

- **Non-military organisations at national, European & international levels**
- **Military & dual-purpose organisations at national, European & international levels**

### **International Organisations**

**ICAO – International Maritime Organisation – JARUS – OECD – UN Food & Agriculture Organization – UN Aviation – World Economic Forum**

### **Standardization & Coordinating Orgs**

- **EUSCG – European UAS Standards Coordination Group**
- **Standard producing organisations at national, European and international levels**



## DOCUMENTS & SERVICES

COORDINATION  
COOPERATION  
HARMONIZATION

### Document Creation

Concept papers - Position papers - Reports - Recommendations - Reviews / Comments

### Information Centre

Online repository of documents of interest to all (or links to them)

### Online Register (or links)

- MAA system operators
- Manufacturers
- Service providers
- Flight training organisations
- Test & demonstration locations
- EU-, regional-, nationally-funded MAA system research projects
- Research orgs with MAA system activities
- Academic inst. with MAA system activities

### Webinars & Online Courses

### Surveys & Studies & Document Reviews

### Outreach to Subject Matter Experts (for SDOs)

### Working Groups

Produce & propose, among others, standards for the harmonization of qualification & safety requirements for:

- Flight training schools
- Remote pilot licences
- Test, demo & training locations

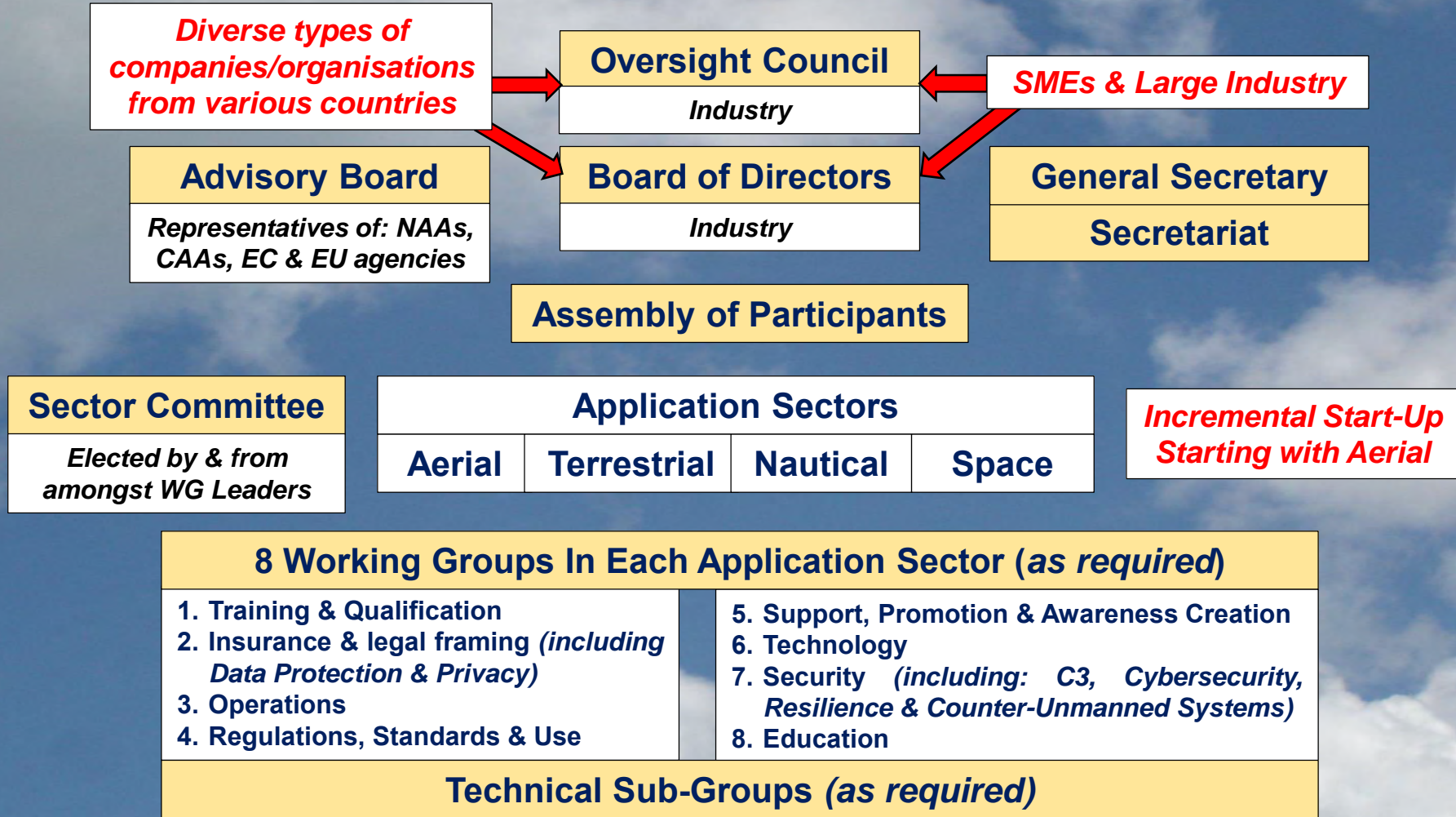
### MAA Systems Museum

Initiate & coordinate establishment of an EU museum network for MAA systems (*civil & military*) with a common online knowledge centre (documents & videos)



**COORDINATION**  
**COOPERATION**  
**HARMONIZATION**

# STRUCTURE





MANAGEMENT TEAM

COORDINATION  
COOPERATION  
HARMONIZATION

BOARD OF DIRECTORS



**Gilles Fartek**

**Denmark**



**Martin Kellerhals**

**Switzerland**



**Vadim Kramar**

**Finland**



**Patrick Mascart**

**Belgium**



**Anthony Venetz**

**United Kingdom**



# MANAGEMENT TEAM

**COORDINATION**  
**COOPERATION**  
**HARMONIZATION**

## OVERSIGHT COMMITTEE

## SEC. GENERAL

## SECRETARIAT



**Matthias Gronstedt**

**Oliver Heinrich**

**Nicolas Kestens**

**Stéphane Morelli**

**Peter van Blyenburgh**

**Robert Jonker**

**Germany**

**Germany**

**France**

**France**

**France**

**The Netherlands**



ADVISORY BOARD

COORDINATION  
COOPERATION  
HARMONIZATION



**Vassilis Agouridas**

UIC2 - UAM Initiative Cities  
Community  
EU Stakeholder Group

**Berkay Inan**

Austro Control  
Austria  
National Aviation Authority

**Julia Sanchez**

EUROCONTROL  
Inter-Governmental  
Organisation

**Ron van de Leijgraaf**

Ministry of Infrastructure  
The Netherlands  
National Aviation Authority

**Anna von Groote**

EUROCAE  
European  
Standards Development Org.





# PARTICIPATION

COORDINATION  
COOPERATION  
HARMONIZATION

## Participants

1. **Industry:**
  - **Operators**
  - **Producers** (*MAA systems, system elements, communication systems, sub-systems (incl. payloads), software, critical components, training simulators & aids, counter-unmanned systems*)
  - **Service providing companies & organisations**
  - **Current & future customers (*of operators*)**
  - **Technology & industrial clusters**
  - **National, European & international interest groups / associations**
2. **Universities, research institutions & knowledge centres**
3. **Public entities responsible for economic and/or industrial development**
4. **International organisations & NGOs**
5. **Consortia subsidized by the European Union**
6. **Other Stakeholders**



## GEO-COVERAGE

COORDINATION  
COOPERATION  
HARMONIZATION

### EUROPEAN Participants

#### Member States of the European Union

Belgium, Bulgaria, Cyprus, Czech Rep., Denmark (**DK**), Germany, Estonia, Finland, France (**FR**), Greece, Hungary, Ireland, Italy, Croatia, Latvia, Lithuania, Luxembourg, Malta, Netherlands (**NL**), Austria, Poland, Portugal (**PT**), Romania, Slovakia, Slovenia, Spain (**ES**), Sweden

#### Overseas Countries & Territories of EU MS

**DK:** Greenland

**FR:** French Polynesia, French Southern & Antarctic Lands, New Caledonia, St. Barthélemy, St. Pierre & Miquelon, Wallis & Futuna

**NL:** Aruba, Bonaire, Curaçao, Saba, Sint Eustatius, Sint Maarten

#### Outer Regions of EU Member States

**FR:** French Guiana, Guadeloupe, Martinique; Mayotte; Reunion, Saint-Martin

**PT:** Azores, Madeira

**ES:** Canary Islands

#### Countries & Territories Associated with EU Grant Programmes

Albania, Armenia, Bosnia and Herzegovina, Faroe Islands, Georgia, Iceland, Israel, Moldova, Montenegro, North Macedonia, Norway, Serbia, Tunisia, Turkey, Ukraine  
Canada (*currently under evaluation by EU*)

#### European Microstates

Andorra, Liechtenstein, Monaco, San Marino, Vatican City

**Switzerland**

**United Kingdom**

### NON-EUROPEAN Participants

Principal place of business and/or production in a country outside Europe (as defined above)



## FINANCIAL MEANS

COORDINATION  
COOPERATION  
HARMONIZATION

### The Association's Assets

1. **Financial contributions by the Participants (*companies & organisations*), the amount of which is determined by the Board of Directors**
2. **Grants (*public & private*)**
3. **Income from association activities, such as the proceeds from projects, services rendered, conferences & workshops, surveys, publications, gifts, fees, and external funds**
4. **Legacies**
5. **Other benefits**



## UNITED SYSTEMS EUROPE

[www.United-Systems-Europe.eu](http://www.United-Systems-Europe.eu)

In 5 languages | **GB – FR – DE – NL – ES**

For additional information

[contact@United-Systems-Europe.eu](mailto:contact@United-Systems-Europe.eu)