ULUSLARARASI TEMSİL
IFALPA BELGESİ

Belge: We Are All One In The Sky Joint Statement_Final-190408	**Tarih:** 22.07.2019

Kaynak: IFALPA haberleri · talpa.org

WE ARE ALL ONE IN THE SKY

There is only one sky and all stakeholders, new and traditional, need to collaborate to keep it safe, secure, efficient and fair.

The Signatories support the European regulatory authorities in producing a robust, harmonised, EU-wide regulatory safety framework that enables the safe, secure, efficient and fair integration of drones in the aviation system, and fosters broad public acceptance.

Since the Drones Helsinki Declaration in 2017, which called for simple and performance-based rules for drones, significant progress has been made in developing and delivering a regulatory

framework that will support the safe and We are allWe are allWe are alloneoneonein the skyin thein the

sustainable growth of the drone industry. There is only one sky and all stakeholders, new and traditional, need to cThere is only one sky and all stakeholders, new and traditional, neeThere is only one sky and all stakeholders, new and traditional,We are all on it safe, secure, efficient and fair.it safe, secure, efficient and fair.it safe, secure, efficient and fair. However, in order to facilitate the There is only one sky and all stakeholders, new integration of drones in very low-level The Signatories support the European regulatory authorities in proThe Signatories support the European regulatory authoritiesThe Signatories support the European regulatory authoritiit safe, secure, effi airspace (i.e. below 500 ft) and preserveWe are all oneWe are allharmonised, EU-wide regulatory safety framework that enablesin the skyharmonised, EU-wide regulatory safety framework that enaharmonised, EU-wide regulatory safety framework that eone in the sky efficient and fair integration of drones in the aviation system, and foWe are allWe are allefficient and fair integration of drones in the aviation system, aThe Signatories support the European reguloneonein the skyin the sky the high level of safety in the entire We are allefficient and fair integration of drones in the aviation systemone in the sky There is only one sky and all stakeholders, new and traditional, need to collaborate to keepThere is only one sky and all stakeholders, new and traditional, need to collaborate to keepharmonised, EU-wide regulatory safety fram European airspace, we jointly call to acceptance.acceptance.acceptance. There is only one sky and all stakeholders, new and traditional, need to collaborate to keepit safe, secure, efficient and fair.There is only one sky and all stakeholders, new and traditional, need to collaborate to keeThere is only one sky and all stakeholders, new and traditional, need to collaborate to kit safe, secure, efficient and fair.efficient and fair integration of drones in theWe are allWe are alloneo accelerate the implementation of the SinceSincetheSinceit safe, secure, efficient and fair.Dronesit safe, secure, efficient and fair.theit safe, secure, efficient and fair.theDronesDronesHelsinkiHelsinkiHelsinkiDeclarationDeclarationDeclarationin 2017,in in2017,which2017,whichcalledwhichc acceptance.There is only one sky and all stakeholders, new a

ULUSLARARASI TEMSİL
IFALPA BELGESİ

The Signatories support the European regulatory authorities in producing a robust,The Signatories support the European regulatory authorities in producing a robust,performance-based rules for drones, significant progress has been mThere is only one sky and all stakeholders, n following measures. performance-based rules for drones, significant progress has beperformance-based rules for drones, significant progress ha Since the Drones Helsinkiit safe, secure, efficDeclarationit safe, secure,in We are allharmonised, EU-wide regulatory safety framework that enables the safe, secure,oneharmonised, EU-wide regulatory safety framework that enables the safe, secure,in the skyThe Signatories support the European regulatory authorities in producing a robust,The Signatories support the European regulatory authorities in producing a robusThe Signatories support the European regulatory authorities in producing a roband delivering a regulatory framework that will support the safeand delivering a regulatory framework that will support theand delivering a regulatory framework that will support efficient and fair integration of drones in the aviation system, and fosters broad publicefficient and fair integration of drones in the aviation system, and fosters broad publicharmonised, EU-wide regulatory safety framework that enables the safe, securharmonised, EU-wide regulatory safety framework that enables the safe, secgrowth of the drone industry.growth of the drone industry.performance-based rules for drones, significa harmonised, EU-wide regulatory safety framework that enables the safe, secure,growth of the drone industry.The Signatories support the European regula is only one sky and all stakeholders, new and traditional, need to collaborate to keepWe are allWe are alloneonein the skyand delivering a regulatory framework thaThe Signatories support the European rein the sky acceptance. acceptance.efficient and fair integration of drones in the aviation system, and fosters broad publicefficient and fair integration of drones in the aviation system, and fosters broad pubefficient and fair integration of drones in the aviation system, and fosters broad puWe are all one in the sky However, in order to facilitate the integration of drones in very low-lHowever, in order to facilitate the integration of drones in veryHowever, in order to facilitate the integration of drones in vharmonised, EU-wide regulatory safety framharmonised, EU-wide regulatory safety it safe, secure, efficient and fair.acceptance.acceptance. growth of the drone industry. Since the DronesThere is only one sky and all stakeholders, new and traditional, need to collaborate to keepHelsinkiSinceThere is only one sky and all stakeholders, new and traditional, need to collaborate to keepacceptance.Declarationthe Drones inHelsinkibelow 500 ft) and preserve the high level of safety in the entire Eu2017,below 500 ft) and preserve the high level of safety in the entDeclarationwhich calledinefficient and fair integration of drones in the afor2017,simplewhichandcalled for simple and There is only one sky and all stakeholders, new and traditional, need to collaborate to keepbelow 500 ft) and preserve the high level of safety in theefficient and fair integration of drones in t performance-based rules for drones, significant progress has been made in developingperformance-based rules for drones, significant progress has been made in developingSinceSincethetheDronesit safe, secure, efficient and fair.Droneswe jointly call to accelerate the implementation of the following meaHelsinkiwe jointly call to accelerate the implementation of the followinit safe, secure, efficient and fair.HelsinkiDeclarationDeclarationacceptance.However, in order to facilitate the integrationinin2017,2017,whichwhichcalledcalledforforsimplesimplean ignatories support the European regulatory authorities in producing a robust,Extensive public Since the Dronesit safe, secure, efficient and fair.Helsinkiwe jointly call to accelerate the implementation of the followDeclarationMandatory training andinacceptance.2017, which called for simple and and delivering a regulatory framework that will support the safe and sustainableand delivering a regulatory framework that will support the safe and sustainableperformance-based rules for drones, significant progress has been made in developinperformance-based rules for drones, significant progress has been made in develobelow 500 ft) and preserve the high level of nised, EU-wide regulatory safety framework that enables the safe, secure,performance-based rules for drones, significant progress has been made in developingSince the

ULUSLARARASI TEMSİL
IFALPA BELGESİ

Drones Helsinki Declaration in awareness campaignThe Signatories support the European regulatory authorities in producing a robust,The Signatories support the European regulatory authorities in producing a robust,certificate/license relevantwe jointly call to accelerate the implementatiSince the Drones Helsinki Declaration nt and fair integration of drones in the aviation system, and fosters broad publicgrowth of the drone industry.The Signatories support the European regulatory authorities in producing a robust,growth of the drone industry.and delivering a regulatory framework that will support the safe and sustainableand delivering a regulatory framework that will support the safe and sustainaband delivering a regulatory framework that will support the safe and sustain1. Extensive public awareness campaign1. Extensive public awareness campaign harmonised, EU-wide regulatory safety framework that enables the safe, secure,1. Extensive public awareness campaignperformance-based rules for drones, significanperformance-based rules for drones, signi ance. harmonised, EU-wide regulatory safety framework that enables the safe, secure,harmonised, EU-wide regulatory safety framework that enables the safe, secure,growth of the drone industry.growth of the drone industry.growth of the drone industry.to operations The general public, including recreational/occasional droneHowever, in order to facilitate the integration of drones in very low-level airspace (i.e.efficient and fair integration of drones in the aviation system, and fosters broad publicHowever, in order to facilitate the integration of drones in very low-level airspace (i.e.and delivering a regulatory framework thatand delivering a regulatory framework efficient and fair integration of drones in the aviation system, and fosters broad publicefficient and fair integration of drones in the aviation system, and fosters broad publicThe ThegeneralThegeneralgeneralpublic,public,includingpublic,1.includingExtensive public awareness campincludingrecreational/occasionalrecreational/occasionalrecreational/occasionaldronedronusd the Dronesusers, as well as commercial clients, must be aware ofHelsinkibelow 500 ft) and preserve the high level of safety in the entire European airspace,Declarationacceptance.in below 500 ft) and preserve the high level of safety in the entire European airspace,2017,However, in order to facilitate the integration of drones in very low-level airspace (i.e.However, in order to facilitate the integration of drones in very low-level airspace (i.However, in order to facilitate the integration of drones in very low-level airspacewhich called for simple and growth of the drone industry.growth of the drone industry. acceptance.acceptance. commercial clients, must be aware of the safety risks, duties, liacommercial clients, must be aware of the safety risks, dutieThe obligation for drone pilots to obtain a certificate or licensecommercial clients, must be aware of the safety risks, d mance-based rules for drones, significant progress has been made in developingthe safety risks, duties, liabilities, insurance requirements,we jointly call to accelerate the implementation of the following measures.we jointly call to accelerate the implementation of the following measures.below 500 ft) and preserve the high level of safety in the entire European airspace,below 500 ft) and preserve the high level of safety in the entire European airspacbelow 500 ft) and preserve the high level of safety in the entire European airspThe general public, including recreationa requirements, responsibilities and third-party privacy issues assocrequirements, responsibilities and third-party privacy issuesaligned with EU regulation – depending on the properties,requirements, responsibilities and third-party privacy issuHowever, in order to facilitate the integrationHowever, in order to facilitate the integrat SinceSincetheSincetheDroneswe jointly call to accelerate the implementation of the following measures.Dronesthewe jointly call to accelerate the implementation of the following measures.DronesHelsinkiHelsinkiHelsinkiDeclarationDeclarationDeclarationin in2017,2017,in which2017,whichcalledwhichcalledforcalledforsimplesimplefor andsimpleand and elivering a regulatory framework that will support the safe and sustainableresponsibilities and third-party privacy issues associatedwe jointly call to accelerate the implementation of the following measures.performance and features of the drone – creates awarenesscommercial clients, must be aware of the s performance-based rules for drones, significant progress has been made in developingoperations. These are essential requirements

ULUSLARARASI TEMSİL
IFALPA BELGESİ

as lack of awarenesoperations. These are essential requirements as lack of awaoperations. These are essential requirements as lack of abelow 500 ft) and preserve the high level ofbelow 500 ft) and preserve the high leve of the drone industry.with drone operations. These are essential requirements1. Extensive public awareness campaignperformance-based rules for drones, significant progress has been made in developingperformance-based rules for drones, significant progress has been made in developing1. Extensive public awareness campaignand mandates knowledge of the applicable regulations andrequirements, responsibilities and third-part and delivering a regulatory framework that will support the safe and sustainablecould result in safety incidents and accidents. Therefore, more recould result in safety incidents and accidents. Therefore, mocould result in safety incidents and accidents. Therefore,we jointly call to accelerate the implementation of the following measures.1. Extensive public awareness campaign2. Mandatory training and certificate/license relevant to drone integration in the airspace.dedicated to this aspect of drone integration in the airspace.dedicated to this aspect of drone integration in the airspace.The general public, including recreational/occasionalpublic, includingPractical training and theoretical knowledge requirements forrecreational/occasionaldrone users, as well droneas users, as well as could result in safety incidents and acciden 500 ft) and preserve the high level of safety in the entire European airspace,dedicated to this aspect of drone integration in the airspace.commercial clients, must be aware of the safety risks, duties, liabilities, insurancecommercial clients, must be aware of the safety risks, duties, liabilities, insuranceTheThegeneralgeneralpublic,public,unmanned aircraft pilots constitute an important safety net toincludingincludingrecreational/occasionalrecreational/occasional1. Extensive public awareness campa1. Extensive public awareness cadronedroneusers,users,asaswellwel However, in order to facilitate the integration of drones in very low-level airspace (i.e.However, in order to facilitate the integration of drones in very low-level airspace (i.e.However, in order to facilitate the integration of drones in very low-level airspace (i.e.The general public, including recreational/occasionaldedicated to this aspect of drone integrationdrone users, as well as ntly call to accelerate the implementation of the following measures.2. prevent drone incidents or accidents. A solid knowledge andMandatory training and certificate/license relevant to2. Mandatory training and certificate/license releva requirements, responsibilities and third-party privacy issues associated with dronebelow 500 ft) and preserve the high level of safety in the entire European airspace,requirements, responsibilities and third-party privacy issues associated with dronecommercial clients, must be aware of the safety risks, duties, liabilities, insurancecommercial clients, must be aware of the safety risks, duties, liabilities, insurancommercial clients, must be aware of the safety risks, duties, liabilities, insura2. Mandatory training and certificate/license rele below 500 ft) and preserve the high level of safety in the entire European airspace,below 500 ft) and preserve the high level of safety in the entire European airspace,skills base is therefore a must, considering the complexityTheThegeneralgeneralpublic,public,includingincludingrecreationalrecreatio operations. These are essential requirements as lack of awareness and negligencewe jointly call to accelerate the implementation of the following measures.operations. These are essential requirements as lack of awareness and negligencerequirements, responsibilities and third-party privacy issues associated with dronerequirements, responsibilities and third-party privacy issues associated with dronrequirements, responsibilities and third-party privacy issues associated with dr we jointly call to accelerate the implementation of the following measures.we jointly call to accelerate the implementation of the following measures.The obligation for drone pilots to obtain a certificate or licenseThe obligation for drone pilots to obtain a certificate or licof the national and European airspaces and related aviationThe obligation for drone pilots to obtain a certificate orcommercial clients, must be aware of the scommercial clients, must be aware of th2. Mandatory training and certificate Extensive public awareness campaigncould result in safety incidents and accidents. Therefore, more resources must becould result in safety incidents and accidents. Therefore, more resources must beoperations. These are essential requirements as lack of awareness and negligenceoperations. These are essential requirements as lack of awareness

- to convey to operators, legislators and general public that Airport protection from the focus is improvement in safety levels through safety Drone intrusions investigation and learning from these occurrences, and not to pass blame. An easy-to-use reporting system should be 1 available for this purpose. For maximum safety it should Drone related disruptions (e.g. at Gatwick/LGW, Heathrow/ LHR, Dublin/DUB) to traditional aircraft operations and their facilitate the use of existing reporting lines/databases and be impact on airport operations and aviation safety have raised harmonised across Europe. significant questions about how to handle such situations. It is incumbent on all industry stakeholders – from both manned and unmanned aviation – to be prepared to protect

Increase in the effectiveness

the security of aircraft operations in coordination with their competent authorities and law enforcement agencies. All of enforcement these parties, including recreational drone operators, must be aware of operational requirements and national laws and It is essential that States have the appropriate resources, regulations pertaining to manned and unmanned aviation. power and means to enforce regulation. To guarantee the safety of manned aviation and third parties on the ground, Our common and primary concern are drones flying at enforcement bodies must receive training and technical low altitudes near airports and helicopter landing sites that equipment to monitor regulatory compliance. could threaten aircraft taking off or landing. Regulation must be in place for countermeasures and a safety case must Also, the registration of drones/drone operators as well be produced to determine the level of ‘power’ given to the as the requirement for a drone pilot certificate/license will security forces. greatly facilitate such enforcement. If the operators/pilots can be traced, they will comply with rules and regulations. It is essential to clearly define the roles and responsibilities of each stakeholder (e.g. airports, air navigation service providers and authorities) with regards to the detection, identification and neutralisation of drones. Situational awareness of

all manned aircraft

Members States must ensure that all drones operate within clearly defined and known limitations taking into account There is currently no defined path for the integration of existing/traditional aviation procedures. Enforceable and manned and unmanned aircraft in uncontrolled airspace, i.e. strict legal and/or administrative sanctions must be ensured the airspace in which users are not mandated to use air traffic in each State when users of drones endanger aviation by control services. One of the greatest challenges is that there violating the existing rules. are presently no adequate technologies (or spectrum) for users to make themselves visible (i.e. transmit electronically their identity or location).

Incident

As long as there is no international consensus on how reporting this should be worldwide implemented and addressed, situational awareness of all drones and manned aircraft To ensure the utmost in safety and security, it is vital to will not accommodate complex drone operations such as capture as much safety/security related information as BVLOS and autonomous flights. possible. Reporting any incidents/accidents surrounding drone-operations is an invaluable tool in this context. We support the ongoing efforts by the European Aviation Everyone, including non-involved persons, should be able to Safety Agency (EASA), EUROCAE and other standardisation report such occurrences based on a non-punitive system, organisation and offer our support in addressing this issue. similar to the philosophy of Just Culture . It is paramount

ULUSLARARASI TEMSİL
IFALPA BELGESİ

1 – https://www.womenwhodrone.co/single-post/2019/02/05/Drones-are-the-New-UFOs---the-lasting-impact-of-Gatwick-and-N
Up1r110imH6mBYcc7VxmfDIZaU 2 – https://www.canso.org/system/files/Regions_and_Programmes/Just%20Culture%20Toolbox%202018.pdf

Traffic management for Further research drones – UTM/U-Space into essential areas

The European Commission's 'U-space' initiative provides a We welcome and actively support the European Commission's policy framework for the safe integration of drones. U-Space initiative to create the U-Space Demonstrator Network, a systems are being designed to support safe, efficient and forum dedicated to sharing knowledge and accelerating secure access to airspace for large numbers of drones and the safe and fair integration of drones. Concerted research ensure a proper interface between the drone world and action is needed to allow all stakeholders to maximise and manned aviation, ANSPs and other relevant authorities. best exploit their research efforts.

The evolution of U-Space systems relies on greater Additional research is still required on essential areas like digitalisation, automation and higher pace compared to contingency procedures, geofencing, surveillance, ATMconventional air traffic management evolution. U-Space drone pilot communication and impact of collisions between systems must be interoperable with existing air traffic drones and all types of manned aircraft. management (ATM) systems and must demonstrate that they provide an equivalent level of safety and compliance While the risks related to bird strikes are well known, it is with the applicable and forthcoming rules. As in ATM, a still unclear what damage smaller drones could cause to collaborative approach between stakeholders is essential in manned aviation. Also, there is little scientific insight ensuring efficient and effective services. and research into which type of drones would cause only ANSPs are best placed to provide a number of essential limited or no harm to people on the ground. Hence, there is a U-space services critical to its success, while ensuring safe need for scientific research and testing in order to understand integration with ATM. ANSPs have the appropriate safety, which mitigating measures can be taken or if new regulation airspace and traffic management culture, expertise and skills can be made more proportionate. We therefore welcome as well as the means to implement key U-space services. the EASA Research Agenda 2018-2020 which announces a Many ANSPs are proving this already through the delivery of research project on vulnerability of manned aircraft to drone UTM-related projects, often in partnership with new drone strike, including engine impact tests. technology companies.

The Signatories are committed to supporting and working with Authorities and all the stakeholders in the implementation of the above measures in

order to foster the safe and fair integration of drones in our skies.

Supported by parties from the field of manned aviation:

Airlines for Europe (A4E) Achim Baumann | achim.baumann@a4e.eu

Airports Council International Europe (ACI EUROPE) Aidan Flanagan | aidan.flanagan@aci-europe.org

Association International Representation in Europe (AIRE) Erik Moyson | erik.moyson@aire.aero

Air Traffic Controllers European Unions Coordination (ATCEUC) Miguel Dias | nmigueldiasr@gmail.com

ULUSLARARASI TEMSİL
IFALPA BELGESİ

Civil Air Navigation Services Organisation (CANSO) Eduardo García | eduardo.garcia@canso.org

European Business Aviation Association (EBAA) Vanessa Rullier | vrullier@ebaa.org

European Cockpit Association (ECA) Paulina Marcickiewicz | pm@eurocockpit.be

European Helicopter Association (EHA) Elisabetta Dalla Benetta | executivedirector@eha-heli.eu

European Regions Airline Association (ERAA) Russell Dudley | russell.dudley@eraa.org

European Transport Workers' Federation (ETF) François Ballestero | f.ballestero@etf-europe.org

International Council of Aircraft Owner and Pilot Associations (IAOPA) Michael Erb | erb@aopa.de

Manfred Mohr | mohrm@iata.org International Air Transport Association (IATA) – Coordinator https://www.iata.org/whatwedo/safety/Pages/drones.asp

International Federation of Air Line Pilots' Associations (IFALPA) Emily Bitting | emilybitting@ifalpa.org

International Federation of Air Traffic Controllers' Associations (IFATCA) Paul Neering | pneering@home.nl

International Federation of Air Traffic Safety Electronics Associations (IFATSEA) Costas Christoforou | cchristof@cytanet.com.cy

3 – EASA Research Agenda 2018-2020, page 7

