

EXPLANATIONS		RECREATIONAL DRONE	MODEL AIRCRAFT	PROFESSIONAL DRONE	RECREATIONAL DRONE	MODEL AIRCRAFT	PROFESSIONAL DRONE	RECREATIONAL DRONE	MODEL AIRCRAFT	PROFESSIONAL DRONE	RECREATIONAL DRONE	MODEL AIRCRAFT	PROFESSIONAL DRONE
Yes / Authorized / Applicable													
Conditional													
No / Not Required / Not Authorized													
No Limit	NoL												
Not Applicable	NA												
Unknown by National Aviation Authority (NAA)	?												
COUNTRY ▶		FRANCE			GERMANY			NETHERLANDS			SPAIN		
NATIONAL REGULATORY AUTHORITIES (NRA)													
National Aviation Authority (NAA)		Direction Générale de l'Aviation Civile (DGAC) www.developpement-durable.gouv.fr/politiques/aviation-civile			Luftfahrtbundesamt (LAB) - Federal Aviation Office http://www.lba.de/EN/Home/home_node.html			Inspectie Leefomgeving & Transport (ILT) www.ilent.nl			Agencia Estatal de Seguridad Aérea (AESA) www.seguridadaerea.gob.es		
Air Navigation Service Provider (ANSP)		Direction des Services de la Navigation Aérienne (DSNA) https://www.ecologique-solidaire.gouv.fr/controle-aerien			Deutsche Flugsicherung (DFS) http://www.dfs.de/dfs_homepage/en/			Luchtverkeersleiding Nederlands (LVNL) www.lvnl.nl			ENAIER www.enaire.es		
National Rules Are Applicable For													
• Title of applicable document		NA	NA	NA	NA	NA	NA	NA	NA	NA	Spanish Regulation		
• Language in which official Rules are written		NA			NA			NA			Spanish		
• Courtesy translation In English exists		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Regulation Is Applicable For													
• Title of applicable document		Arrêté du 17 décembre 2015 relatif à l'utilisation de l'espace aérien par les aéronefs qui circulent sans personne à bord. Arrêté du 17 décembre 2015 relatif à la conception des aéronefs civils qui circulent sans personne à bord, aux conditions de leur emploi et aux capacités requises des personnes qui les utilisent			Luftverkehrsgesetz (LuftVG); Luftverkehrsordnung (LuftVO); Luftverkehrszulassungsordnung (LuftVZO)			Regeling modelvliegen			Regeling op afstand bestuurd luchtvaartuigen		
• Language in which official Rules are written		French			German			Dutch			Spanish		
• Courtesy translation In English exists													

COUNTRY ▶		FRANCE	GERMANY	NETHERLANDS	SPAIN								
DRONE													
Drone: An aircraft where the pilot is not on board the aircraft.													
National Drone Registration / Identification													
National Registration Is Required:													
• Registration possible online		NA	NA	NA	NA								
• Link to online registration		NA	NA	NA	NA								
• Cost	€	NA	NA	No Cost	Free								
Electronic Chip (with National Registration Number) Is Required:													
• Indicate additional information (if any) that should be included on electronic chip		NA	NA	NA	NA								
• Authority responsible to programme the electronic chip		NA	NA	NA	NA								
• Electronic chip issued in a FOREIGN country is acceptable		NA	NA	NA	NA								
A Drone Identification Number Is Required													
• Time required to obtain an identification number	Days	NA	NA	NA	30								
• Identification number issuing authority		NA			AESA								
• FOREIGN identification number is acceptable		NA	NA	NA									
The Drone Identification Number Must Be Visible on Fuselage													
FOREIGN identification number on fuselage is acceptable		NA	NA	> 25 kg									
An Identity Plate Required On Aircraft:													
• Time required to obtain an identity plate	Days	NA	NA	?	2								
• Identity plate (number) issuing authority		Operator			Own Responsibility								
• FOREIGN Identity Plate is acceptable		NA	NA		NA	NA							
Maximum Authorized Aircraft Mass													
• With Fuel	kg	NA	NA	150	25	NA	25		NA	NA	150		
• Without Fuel	kg	NA	NA	NA	NA	NA	NA		NA	NA	NA		
Mass Categories													
• Upper Mass Limit - Category 1	kg	2	NA	2	0,25	NA	0,25	NA	NA	1	NA	NA	2
• Upper Mass Limit - Category 2	kg	NA	NA	8	2	NA	2	NA	NA	4	NA	NA	10
• Upper Mass Limit - Category 3	kg	NA	NA	25	5	NA	5	NA	NA	150	NA	NA	25
• Upper Mass Limit - Category 4	kg	NA	NA	150	25	NA	25	NA	NA	NA	NA	NA	50
• Upper Mass Limit - Category 5	kg	NA	NA	NA	150	NA	150	NA	NA	NA	NA	NA	150
Design Certification (or Equivalent) Required													
Design Certificate Issuing Authority		NA	NA	DSAC	NA	NA	NA	NA	NA	NA	NA	NA	
Type Certificate (TC) or Type Approval (TA) Required													
• For Drone with a mass of more than	kg	NA	NA	Not defined	NA	NA	NA	NA	NA	NA	NA	25	
• Average time required to obtain Type Certificate or Type Approval	Months	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	
• Cost to obtain Type Certificate or Type Approval	€	NA	NA		NA	NA	NA	NA	NA	NA	NA	1500	

COUNTRY ▶		FRANCE			GERMANY			NETHERLANDS			SPAIN		
• Type Certificate or Type Approval issued by		NA	NA	DGAC	NA	NA	NA	NA	NA	NA	NA	NA	AESA
• Foreign issued type certificate or type approval is accepted		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	
Certificate of Airworthiness (CoA) Required													
• For Drone with mass of more than	kg	NA	NA	NA	NA	NA	NA	NA	NA	4	NA	NA	25
• Average Time Required to Obtain CoA	Days	NA	NA	NA	NA	NA	NA	NA	NA	4	NA	NA	4,5
• Cost to Obtain CoA	€	NA	NA	NA	NA	NA	NA	NA	NA	2000	NA	NA	150
• CoA Granted By		NA	NA	NA	NA	NA	NA	NA	NA	ILT	NA	NA	AESA
• Foreign issued CoA is accepted		NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	
Specific Safety Features Required													
• Navigation Lights					At night	At night	At night						
• Parachute - Fixed Wing Drone				> 2 kg									
• Parachute - Rotary Wing Drone				> 2 kg									
• Horizontal Drone Pilot/RPA distance limitation system													
• Vertical Drone Pilot/RPA distance limitation system													
• Telemetry channel independant from control link													
• Transponder													
• Transponder Frequency	MHz	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GHz	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
• Automatic engine shut-down in case of control link loss													
• Automatic landing instruction in case of control link loss													
• Audio pilot warning in case of control link loss													
• Onboard flight parameter recorder													
• Ground-based flight parameter recorder													
Flight Control System Required													
• Manual flight control is MANDATORY (no other forms of control allowed)													
• Manual & Automatic (pre-programmed with manual override) flight control													
• Fully automated flight control without manual override possible													
Frequencies													
Specific Flight Control Frequencies Are Required		In accordance with nat. legislation											
	Option A	Mhz	?	?	?	NA	NA	NA	NA	NA	NA	NA	NA
	Option B	GHz	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Specific Imagery Downlink Frequencies Are Required		In accordance with nat. legislation											
	Option 1	GHz	?	?	?	NA	NA	NA	NA	NA	NA	NA	NA
	Option 2	GHz	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Documentation Required													
Indicate mass below which no documentation is required (if applicable)		kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
System Maintenance Manual													

		COUNTRY ▶			FRANCE			GERMANY			NETHERLANDS			SPAIN		
System Operations Manual			25 kg													
Flight Manual																
Flight Log																
FLIGHT OPERATIONS																
Flight Operation Limitations																
Permit-To-Fly Required					> 2 kg		> 2 kg									
• Authority issuing the Permit-To-Fly		DSAC			Competent Authority of the German Länder			NA			AESA					
Aerial Work Certificate or Permit required					> 2 kg		> 2 kg									
• Authority issuing the Aerial Work Certificate or Permit		NA			NA			ILT			AESA					
VLOS Operations Authorized																
• Close to structures & buildings																
• Above/close to crowds																
• Above/in industrial sites																
• Above urban areas																
• Exemptions to indicated VLOS operations are possible																
E-VLOS Operations Authorized																
• Above/close to crowds																
• Above/in industrial sites																
• Above urban areas																
• Exemptions to indicated E-VLOS operations are possible																
BVLOS Operations Authorized																
• Above/close to crowds																
• Above/in industrial sites																
• Above urban areas																
• Requires certified Detect & Avoid system or segregated airspace																
• Exemptions to indicated BVLOS operations are possible																
Daylight Operations Authorized																
Night Operations Authorized																
• Special Autorisation Required For Night Operations											NA					
Minimum weather visibility range required				?											?	
Minimum visibility range	km										NA				VMC	
Max. groundspeed authorized	km/h			?	NA	NA	NA				NA				NA	
Max. groundspeed authorized	knots			?	NA	NA	NA				NA				NA	
NOTAM posting required																
• Aircraft mass above which NOTAM posting is required	kg	NA	NA	All masses	NA	NA	NA	NA	NA	NA		NA	NA	All masses		

COUNTRY ▶		FRANCE	GERMANY	NETHERLANDS	SPAIN								
Airspace													
Max. flight altitude authorized:													
• Below 500 feet Above Ground Level (AGL)	feet												
• Above 500 feet Above Ground Level (AGL)	feet												
• Other maximum authorized flight altitude Above Ground Level (if applicable)	feet			400	400								
Horizontal separation minima are applicable													
Vertical separation minima are applicable													
Airspace Access Limitations are applicable													
Flight in clouds is authorized													
Over-flight of specific designated zones is prohibited													
Over-flight of public areas in urban zones is authorized													
• Exemptions can be granted under certain conditions													
Over-flight of private property owned by a third party is authorized													
• Exemptions can be granted under certain conditions		NA											
Over-flight of airfields & airports is authorized													
• Exemptions can be granted under certain conditions													
Over-flight of fire scenes/zones is authorized													
• Exemptions can be granted under certain conditions		NA											
Over-flight of accident scenes/zones is authorized													
• Exemptions can be granted under certain conditions		NA											
Over-flight of natural disaster scenes/zones is authorized													
• Exemptions can be granted under certain conditions		NA											
Over-flight of prohibited zones (military facilities, prisons, no-fly zones) is authorized													
• Exemptions can be granted under certain conditions													
Giving right of way to manned aircraft is mandatory													
Operational Scenarios													
Flight approval based on specific operational scenarios													
Quantity of recognized operational scenarios		NA	NA	4	NA	NA	3+	NA	NA	NA	NA	NA	12
Description of scenario 1		NA	NA	Uninhabited area, VLOS < 200m, mass < 25kg, < 150m/ground	NA	NA	Organisations concerned with safety tasks in relation to emergencies, accidents, disasters, and civil protection	NA	NA	NA	NA	NA	VLOS < 25 kg

COUNTRY ▶		FRANCE			GERMANY			NETHERLANDS			SPAIN		
Description of scenario 2		NA	NA	Uninhabited area, BVLOS < 1000m, < 50m/ground if mass 2kg & < 25kg	NA	NA	Public authorities for the performance of their public duty	NA	NA	NA	NA	NA	VLOS > 25 kg < 50kg
Description of scenario 3		NA	NA	Inhabited area, VLOS < 100m, mass < 8 kgs, < 50m/ground	NA	NA	Entities working under the supervision of such organisations or public authorities	NA	NA	NA	NA	NA	BVLOS < 2 kg
Description of scenario 4		NA	NA	Uninhabited area, BVLOS, Mass < 2kgs	NA	NA	...	NA	NA	NA	NA	NA	CTR > 25 Kg < 50 Kg
Description of scenario 5		NA	NA	NA	NA	NA	...	NA	NA	NA	NA	NA	BVLOS > 2 Kg < 10 Kg
Transport													
External load operations authorized		NA	NA		NA	NA	NA	NA	NA		NA	NA	
Maximum mass (Drone + load) authorized	kg	NA	NA	25	25	25	25	NA	NA	NA	NA	NA	NA
DRONE OPERATOR													
Drone Operator: The company/organisation employing the Drone Pilot and supplying commercial or non-commercial flight services with a drone													
National Drone Operator Certificate Required For													
• Visual Line of Sight (VLOS) Operations		NA	NA		NA	NA	NA	NA	NA		NA	NA	
• Extended Visual Line-of-Sight (E-VLOS) Operations		NA	NA		NA	NA	NA	NA	NA		NA	NA	
• Beyond Line-of-Sight (BLOS) Operations		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	
• Authority issuing Drone Operator Certificate		NA	NA	NA	NA	NA	NA	NA	NA	ITL	NA	NA	AESA
Temporary Drone Operator Certificate is possible		NA	NA		NA	NA	NA	NA	NA		NA	NA	
• Authority issuing Temporary Drone Operator Certificate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	AESA
Restricted Drone Operator Certificate is possible		NA	NA		NA	NA	NA	NA	NA		NA	NA	
• Authority issuing Restricted Drone Operator Certificate		NA	NA	NA	NA	NA	NA	NA	NA	ITL	NA	NA	AESA
Online self-declaration by Drone Operator to authorities is possible		NA	NA		NA	NA	NA	NA	NA		NA	NA	
Drone Operator Certificate delivered in other countries is recognized		NA	NA		NA	NA	NA	NA	NA		NA	NA	

COUNTRY ▶		FRANCE			GERMANY			NETHERLANDS			SPAIN		
DRONE PILOT													
Drone Pilot: The person who manipulates the flight controls of a drone during flight time.													
National Drone Pilot Certificate exists		NA	NA								NA	NA	
• Theoretical competence certificate		NA	NA								NA	NA	
• Practical (flight) competence certificate		NA	NA	Scenario 4 Ops							NA	NA	
National Drone Pilot Certificate Is Obligatory		NA	NA								NA	NA	
National authority accepts foreign Drone Pilot Certificates		NA	NA								NA	NA	
Minimum required age	Yrs	NA	NA	16	16	14	16			18	NA	NA	18
Name(s) of national qualified organisation(s) issuing Drone Pilot Certificates		NA	NA	DSAC	To be announced	To be announced	To be announced	NA	NA	1) ILT 2) EuroUSC 3) NLR	NA	NA	Approved Training Org.
A Physical / mental Aptness Certificate (PAC) is required		NA	NA								NA	NA	
A PAC issued in English in another country is acceptable		NA	NA								NA	NA	
One Drone Pilot can operate more than 1 drone simultaneously		NA	NA								NA	NA	
Operational control from a moving road vehicle is possible		NA	NA								NA	NA	
Operational control from a moving boat/ship Is possible		NA	NA								NA	NA	
Pre-flight inspection of a Drone Is mandatory		NA	NA								NA	NA	
Drone Pilot may use vision aids (binoculars, immersion goggles)		NA	NA	BVLOS Ops							NA	NA	
Occurrence (incident & accident) reporting is mandatory		NA	NA								NA	NA	
Occurrence reporting is possible online		NA	NA								NA	NA	
DATA PROTECTION & PRIVACY													
Responsibility of Drone Operator		NA	NA		NA	NA		NA	NA		NA	NA	
Responsibility of person responsible for the drone mission		NA	NA		NA	NA		NA	NA		NA	NA	
Responsibility of Drone Pilot		NA	NA								NA	NA	
INSURANCE													
In application of Regulation 785/2004, Third Party Liability insurance is required for all drones flying in the EC, with the exception of model aircraft weighing less than 20 kg and flown under the auspices of associations or clubs that operate in accordance with national regulations or practices.													
Additional Third Party Liability insurance (on top of what is obligatory under Reg. 785/2004) is required for Recreational Drones (other than model aircraft)						NA			NA				
Third Party Liability Insurance required if participating in airshow		NA	NA		NA	NA		NA	NA			NA	
Third Party Liability insurance Is required for Model Aircraft with a mass of more than 20 kg		NA		NA	NA		NA		NA		NA	?	NA
Minimal required liability coverage for drone weighing less than 25 kg	€	?	NA	1 million	1 million	1 million	1 million	?	1 million	1 million		1 million	1 million
Minimal required liability coverage for drone weighing more than 25 kg	€	NA	NA	1 million	1 million	1 million	1 million	?	1 million	1 million		1 million	1 million

COUNTRY ▶		FRANCE			GERMANY			NETHERLANDS			SPAIN		
Coverage of recreational drones (other than model aircraft) is included in private liability / national home owner insurance			NA	NA	?	NA	NA		NA	NA	?	NA	NA
Insurance taken out In another EU country is accepted			NA									NA	
Insurance taken out In a non-EU country is accepted (conditional)			NA									NA	
AWARENESS CREATION													
The NAA has issued recommended guidelines or recommendations (other than legal texts; e.g. pamphlets, do's & don'ts, online documents, video clips)													
The national Data Protection Agency has published privacy guidelines													