## AN URGENT REQUIREMENT OF THE USE PILOTLESS AIRCRAFTS IN FORESTRY OF UKRAINE

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Unmanned aerial vehicle, briefly UAV; or Remotely piloted vehicle, by German - Unbevanntes Luftfahrzeug, briefly RPV.

Aircraft that executes flight and carries out landing without the physical presence of pilot on his side. Information on tactical and technical pilotless flying Ukrainian capital goods on it is slave in a table.

	Tactical and technical goods					
Brand	length of	scope of	flight mass,	carry- ing capa-	speed, km/h	duranion of fight,
	wings,	wings,	kg	city,		by
	m	m		kg		hours
М-6 «Жайвір»	1,55	1,6	10	7	160	1
М-7 «Небес-						
ний пат- руль»	3,7	5,2	100	25	192	5
А-2 «Синиця»	0,95	1,8	5	1	80	1
А-3 «Ремез»	0,78	2	10	3	105	2
А-4К «Альбатрос»	1,425	2,475	23	3	105	2
А-5 «Орлан»	1,425	3	28	7	123	6
А-11 «Стриж»	1,7	1,05	30	5	360	0,34
А-12 «Ураган» (перспектив- на розробка)	0,8	0,8	18	-	140	1
R-100	1,8	1,4	14-35	3-10	45-400	2-4
R-400	1,8	2,5	16	6-10	50-200	4-7
R -400LR	2,3	3,5	50	16	60-200	7

Tactical and technical pilotless flying Ukrainian capital goods

Pilotless aircrafts are included in ten of the most perspective inventions of humanity past century. The cost of o`clock of their exploitation in over five times of o`clock of exploitation of airplanes and helicopters. About ten of times of pilotless aircrafts is worked out in Ukraine, past from that it is expedient to use for the necessities of forestry.

Description over pilotless aircrafts of foreign production is brought also. Possibility of realization of the aviation patrolling is considered with the use of guard of the forests from fires, realization of the forest pathological monitoring and control after possible forest violations.

Financial viability of drawing on pilotless complex is in forestry of Ukraine conditioned low the cost of application of pilotless airplanes by comparatively of the pilot-controlled airplanes and helicopters cost, management simplicities and by possibility of their start from the unequipped or minimum equipped small fight ground and economy of fuel and lubricating materials, by possibility of receipt of reliable video- and photo information from the place of fire real-time.

At implementation on the aviation patrolling by pilotless flying means above territory of forest fund from the height a 600-800 m an operator has the opportunity to look after an image real-time and control the parameters of flight, and after the exposure of forest fire to translate the mode of flight to hand control.

Taking into account positive experience of the use pilotless aircrafts in Russian Federation for the guard of the forest from fires and taking into account the decision of Ministry of the Extraordinary situations republic Byelorussia in relation of acquisition of such vehicles, is an urgent necessity in relation to work of regulation of drawing on pilotless complexes in forestry of Ukraine.

It allows more effectively to use forces and facilities of extinguishing of forest fires and enables hand and automatic management pilotless complex, that will allow to use them in an area to 50 kilometres, including in the area of alienation of the Chernobil atomic electric station.

Pilotless aircrafts, aviation patrolling, guard of the forests from fires, forest pathological monitoring, forest violations.