

CONTENTS

Unmanned Aircraft Systems THE GLOBAL PERSPECTIVE 2008/2009

Masthead	2	UAVS Association	74
Contents	3	UVS Canada	75
Preface	5	UVS France	77
FOREWORDS			
Eurocontrol	6	UVS International	78
David McMillan, Director General		WAG-ParcAberporth	87
European Aviation Safety Agency (EASA)	7	SPECIAL FEATURE	
Patrick Goudou, Chief Executive		U.S. Department of Defense	
European Defence Agency (EDA)	8	Office of the Secretary of Defence	
Alexander Weis, Chief Executive		UAS Airspace Integration	88
Federal Aviation Administration (FAA)	9	FEATURE ARTICLES	
Nick Sabatini, Assistant Administrator		Australian UAS Roadmap	100
International Civil Aviation Organization (ICAO)	10	North America's First Operational Police UAS	102
Roberto Kobeh Gonzalez, ICAO Council President		The Raven Project To Develop Small UAS Sense & Avoid	105
US DoD Policy Board on Federal Aviation	11	The VUSIL Programme	106
Fred Pease, Executive Director		UAS In NATO: Fostering Transformation	108
CONTRIBUTING STAKEHOLDERS			
AIAA - American Institute of Aeronautics & Astronautics	15	UAS Activities in Spain	112
Australian Research Centre for Aerospace Automation	17	Past, Current & Upcoming UAS Research	129
ASTM International Committee F38	18	Low Altitude Remote Sensing with UAS	120
ASTRAEA	21	Environmental Scientific Applications for UAS	122
ATCA - Air Traffic Control Association	23	Contractorized Aerial Surveillance	126
AVBS - Czech Unmanned Systems Manufacturers Assn.	25	How Can UAS Be Useful for Police Forces	130
European Aviation Safety Agency	26	Nano UAS: An Upcoming Reality	132
EMAV International Micro UAS Competition	29	UAS Applications for Mini VTOL UAS	133
EUGIN - European Group of Institutes of Navigation	31	Radio Spectrum Access For UAS	134
EUROCAE	33	Software Security	138
EUROCONTROL	35	Ganged Phased Array Radar System: A Ground-Based	
EUROCONTROL Experimental Center	37	Risk Mitigation Strategy For UAS Flight Operations	140
EDA - European Defence Agency	39	Scientific & Commercial Applications For Small UAS	143
The European Institute	40	The Global Access Initiative	145
Federal Aviation Administration, UAS Program Office	41	Terms & Definitions	147
FRONTEX	42	UAS Pioneer Award	149
ICAO UAS Study Group	43	REFERENCE SECTION	
IFALPA	45	REFERENCED UNMANNED AIRCRAFT SYSTEMS	150
IFATCA	47	<i>11 Figures (Tables & graphs)</i>	
IVW (CAA), The Netherlands	49	UAS PRODUCERS & MODELS	
Japan Aerospace Exploration Agency	50	● All Systems	164
Japan UAV Association	52	● Out-of-Country Operational Military Deployments	182
NASA Dryden Flight Research Center	55	● Civil/Commercial, Research & Dual Purpose UAS	183
NATO UAS Airworthiness Requirements Group	56	● Non-Military UAS Applications (Current & Upcoming)	
NATO JAPCC	57	LAUNCHERS	193
NMSU-PSL-TAAC	59	ENGINES	195
National Oceanic & Atmospheric Administration	61	PAYLOADS	
PLATINO	62	● Imaging Sensors	198
Remote Control Aerial Photography Association	63	● Non-imaging Sensors	202
RTCA - Special Committee 203	66	AUTOPILOTS & INERTIAL MEASURING UNITS	203
SAE International	68	GENERAL INFORMATION	
UAS Norway	70	UAS Photo Competition Winners	205
UATAR Australia	72	UVS International Members Directory	206
UAV DACH	73	Global Access Initiative	
		● www.uvs-info.com - World's largest generic UAS web site	210
		● UAS Yearbook Web Site Postings	212
		UVS International Membership Application	214
		List of Advertisers	216