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ITEA 3 is a EUREKA strategic ICT cluster programme

Exploitable Results by Third Parties

15009 HI-RISE

Project details

Project leader:	Howard Loewen, MicroPilot
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NAME: GENERIC RPAS FAILURE ANALYSIS AND TOOLS		
Input(s):	Main feature(s)	Output(s):
RPAS Characteristics and use cases	Aerospace risk assessment process modified for RPAS with collaborative tools.	Risk Assessment
Unique Selling Proposition(s):	The failure analysis is prepopulated with failures common to most RPAS which simplifies the failure analysis and the collaborative nature means the effort of independent review is shared among a number of organizations.	
Integration constraint(s):	Cloud based, works with laptop, desktop and tablet browsers. Limited function on phone browsers.	
Intended user(s):	RPAS designers	
Provider:	MicroPilot Inc.	
Contact point:	Howard Loewen	
Condition(s) for reuse:	Licencing yearly cost	
	Latest update: 2020-12-09	

NAME: GENERIC SYSTEM REQUIREMENTS AND TOOL		
Input(s):	Main feature(s)	Output(s):
RPAS characteristics, use case and risk assessment	Reusable RPAS requirements along with a collaboration tool	RPAS system level requirements
Unique Selling Proposition(s):	The requirements are prepopulated with common RPAS requirements simplifying the task of developing RPAS system level requirements. The collaborative nature of the tool means the effort of independent review is spread over a number of different organizations.	
Integration constraint(s):	Cloud based, works with laptop, desktop and tablet browsers. Limited function on phone browsers	
Intended user(s):	RPAS designers	
Provider:	MicroPilot Inc.	
Contact point:	Howard Loewen	
Condition(s) for reuse:	Licencing yearly cost	
	Latest update: 2020-12-09	

NAME: SERVICE HISTORY DATA COLLECTION TOOL		
Input(s):	Main feature(s)	Output(s):
Data logs, telemetry, and configuration files.	Service history data collection and analysis tool.	Service history.
Unique Selling Proposition(s):	Allows collection of service history from RPAS and distributing the service history among all of the components in the RPAS. Collects service history data regardless of whether or not the RPAS is connected to the internet during the flight.	
Integration constraint(s):	Cloud based, visualization and analysis work with laptop, desktop and tablet browsers. Limited function on phone browsers. Flight log harvesting portion requires any version of windows.	
Intended user(s):	RPAS designers	
Provider:	MicroPilot Inc.	
Contact point:	Howard Loewen	
Condition(s) for reuse:	Licencing yearly cost.	
	Latest update: 2019-08-01	

NAME: GENERIC DEVICE FAILURE ANALYSIS AND TOOL		
Input(s):	Main feature(s)	Output(s):
Device characteristics.	Analysis of common device failures and a tool to assess an individual device against these failures.	Device failure Modes.
Unique Selling Proposition(s):	Failure modes accumulated over 26 years of experience in the RPAS industry.	
Integration constraint(s):	Cloud based, works with laptop, desktop and tablet browsers. Limited function on phone browsers.	
Intended user(s):	RPAS designers	
Provider:	MicroPilot Inc.	
Contact point:	Howard Loewen	
Condition(s) for reuse:	Licencing yearly cost	
	Latest update: 2020-12-09	

NAME: GENERIC RPAS DESIGN SAFETY PLAN		
Input(s):	Main feature(s)	Output(s):
RPAS Characteristics and use cases	Template for safety plan based on other tools	Plan for addressing risks involved in use of RPAS under development
Unique Selling Proposition(s):	The RPAS design safety plan documents the processes surrounding the other tools and processes developed as part of HI-RISE.	
Integration constraint(s):	Cloud based, works with laptop, desktop and tablet browsers. Limited function on phone browsers.	
Intended user(s):	RPAS designers	
Provider:	MicroPilot Inc.	
Contact point:	Howard Loewen	
Condition(s) for reuse:	Licencing yearly cost	
	Latest update: 2020-12-01	