YORK-POQUOSON SHERIFF'S OFFICE	GENERAL ORDERS
SUBJECT: Patrol Unmanned Aerial Systems	NUMBER: GO 2-61
EFFECTIVE DATE: January 1, 2023	LAST MODIFIED DATE: January 29, 2020
AMENDS/SUPERSEDES New Policy	APPROVED: R.G. Mmter Sheriff
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20 **<u>POLICY</u>**

- 21
- It is the policy of the Sheriff to utilize small unmanned aerial systems (sUAS) as a valuable supplement to sheriff's office resources, due to their ability to provide a bird's eye view of incident scenes as well as
- 24 provide the ability observe large areas from an aerial perspective during searches for missing or wanted
- 25 individuals, tactical operations, crime and accident scene documentation and other critical incidents such
- 26 as fire and HAZMAT scenes. However, utilization of sUAS requires adherence to FAA regulations and
- 27 Virginia state code that regulate their use and protect the constitutional rights of citizens.
- 28

29 **PURPOSE**

- 30
- The York-Poquoson Sheriff's Office is part of a larger sUAS program known as the R.O.V.E.R team with an array of sUAS aircraft capable of conducting sustained flight operations using a number of different camera
- 33 systems and payloads. However; it takes a considerable amount of time to activate and deploy the advanced
- 34 systems to incident locations. The Patrol sUAS program will allow quick deployment of a basic aerial
- 35 platform at incident scenes until the more advanced systems can begin operations. This policy establishes
- procedures for the use of patrol issued sUAS aircraft.

38 **DEFINITIONS**

39

40 41 42 43 44 45 46	•	 Certificate of Authorization (COA) A certificate issued by Federal Aviation Administration granting permission for a governmental entity to operate sUAS aircraft in the national airspace under the parameters defined in the COA. York County possess both a jurisdictional and regional COA with waivers for night flights and flights beyond visual line of sight.
47	٠	Air Traffic Control (ATC)
48		• Found at airports with a control tower or smaller airports near an airport with a control
49		tower.
50		• Grants authorizations to operate sUAS aircraft within the airports controlled airspace.
51		
52	•	Airspace
53		• Controlled airspace
54		 The airspace around and above an airport,
55		 Varies depending on the FAA airspace classification,
56		 Requires authorization prior to flying a sUAS,
57		
58		 Restricted Airspace
59		 Airspace where sUAS flights are strictly prohibited without specific FAA and/or
60		facility authorization and includes but is not limited to:
61		 Over or within federal military installations,
62		 Over or within military training areas,
63		 Over or within federal prisons,
64		 Over or around outdoor professional sporting events, NASCAR races and
65		Division 1 college football stadiums, with a seating capacity of 30,000 or more
66		from 1 hour before the game to one hour following the game or event,
67		Over or within an area the FAA has placed a Temporary Flight Restriction.
68		
69		 Un-Controlled Airspace
70		 Only found in FAA Class G airspace.
71		 sUAS aircraft may fly up to 400 feet above ground level (AGL) or 400 feet above
72		and within a 400 foot radius of structures with no airspace authorizations.
73		
74	٠	FAA
75		 Federal Aviation Administration
76		
77	٠	FAA Part 107
78		• The FAA regulations that govern the following:
79		 sUAS Aircraft,
80		 sUAS aircraft registration requirements,
81		 Pilot Types, pilot licensure and minimum qualification requirements,
82		 sUAS operational requirements and restrictions.
83		
84	•	LAANC
85		 Low Altitude Authorization and Notification Capability

86 87 88 89 90		 An online system through third part vendors where authorizations for flights in controlled airspace may be obtained electronically and in near real time. This system utilizes <u>FAA UAS Facility Maps</u> to show the maximum altitudes authorized for flights within controlled airspace.
91 92	•	Night Flight • Flights that occur between the end of evening civil twilight and the beginning of
93 04		morning civil twilight.
94 95		 Generally 30 minutes after official sunset and 30 minutes before official sunrise, Requires specialized initial and recurrent training for pilots and visual observers,
95 96		 Requires specialized initial and recurrent training for phots and visual observers, Requires the use of anti-collision lighting visible for a minimum of 3 statute miles,
97		 Requires the use of trained visual observer for all flights.
98		 Requires either:
99		✤ A Part 107 Night Flight waiver, or
100		The flight be conducted under authority of the York County jurisdictional COA.
101		
102	٠	Notice to Airmen (NOTAM)
103		• A notice filed with the FAA Flight Service Station showing the following:
104 105		 sUAS operating area, Maximum Altitude above ground level (AGL)
105		Maximum Altitude above ground level (AGL)Date and time of operations.
100		Duce and time of operations.
108		• A NOTAM is recommended for all sUAS flights.
109		• A NOTAM is required for all sUAS flights within controlled airspace.
110		
111	•	R.O.V.E.R
112		• The York County Remote Operated Vehicle Emergency Response team.
113		• For additional information see <u>R.O.V.E.R. sUAS Standard Operating Procedures</u> in the
114 115		forms folder in Power DMS.
115	•	RPIC
117		 Remote Pilot in Command
118		• This will be the sUAS crew member operating the controls and flying the sUAS.
119		
120	٠	sUAS
121		• Small unmanned aerial system commonly referred to as a drone.
122		
123	•	sUAS Registration
124 125		 Per FAA Regulation all sUAS aircraft between .55 pounds and 55 Pounds must be registered with the FAA.
125		 The issued sUAS aircraft registration number, if applicable, must be displayed
120		on the exterior of the sUAS aircraft if the aircraft if being flown outdoors.
128		
129	٠	Visual Line of Sight
130		\circ Limits within which a sUAS may be flown in relation the RPIC or visual observer if
131		utilized.

122		
132		
133	• Visual Observer (VO)	
134	• This will be the sUAS crew member responsible for observing the aircraft in flight to	
135	include:	
136	 Observing for and reporting to the RPIC obstacles or obstructions in the flight path 	
137	of the sUAS,	
138	 Observing for and reporting to the RPIC other manned or unmanned aircraft 	
139	operating in or approaching the area the sUAS is being operated in.	
140		
141	• Waivers	
142	 A document issued by the FAA permitting the operation of sUAS aircraft outside of 	
143	current FAA Part 107 regulations.	
144	• Individual Part 107 waivers may be obtained from the FAA by licensed pilots for some	
145	of the following:	
146	 Night flights, 	
147	 Flights within controlled airspace when the need to exceed the maximum LAANC 	
148	published altitude is required to accomplish the mission,	
149	• Flight in un-controlled (Class G) airspace where the need to exceed 400 feet AGL is	
150	required to accomplish the mission,	
151	 Flights within non-military restricted airspaces, 	
152	 Flights over people. 	
153		
154	• To obtain an waiver to Part 107 the waiver applicant must submit documentation	
155	showing the following:	
156	• The actions or procedures the applicant will use to safely conduct the waived flight	
157	activity,	
158	 How the applicant will mitigate any hazards encountered during the waived flight 	
159	activity,	
160	 Type of initial and/or documented recurring training the applicant or other crew 	
161	members will undergo prior to conducting the waived flight activity.	
162		
163	• Individual Part 107 waivers from the FAA typically take up to 90 days to secure.	
164		
165	• When flying under the authority of the York County jurisdictional COA or as a licensed	
165	Part 107 pilot for public safety purposes, waivers, not already granted under the COA, or	
167	currently held by the RPIC may be obtained from the FAA via email through the FAA's	
168	System Operations Support Center.	
169	 Applicants for SGI waivers will be required to explain how the waived activity will 	
170	be conducted safely and what actions will be taken to mitigate known hazards.	
170	 In most cases SGI waivers can be applied for and granted in a matter of minutes. 	
171	in most cases bor warvers can be applied for and granted in a matter of minutes.	
172	• Special Government Interest (SGI) waiver may be obtained by emailing a completed	
173	 Special Government Interest (SGI) waiver may be obtained by emailing a completed Expidited SGI Waiver or Authorization For UAS Operations Form to the FAA's System 	
174	Operations Support Center (SOSC) at: <u>9-ator-hq-sosc@faa.gov</u> followed up by a phone	
175	call to the SOSC at 202-267-8276.	
170	can to the SOSC at 202-207-6270.	

177 178 179 180 181	 In emergency situations a verbal SGI waiver may be requested by calling the SOSC, which if granted, shall be followed up as soon as practicable by emailing the completed <u>Expedited SGI Waiver or Authorization For UAS operations Form</u> to the SOSC.
182	PROCEDURES
183	
184	• sUAS Aircraft Selection
185	• Selection of sUAS aircraft shall be made in consultation with the Sheriff's Office
186	Commander of the York County R.O.V.E.R team.
187	• Selected aircraft shall meet the following requirements:
188	 Weigh less than 55 pounds,
189	 Be equipped a camera system capable of video recording and still frame photography,
190	 Minimum Video Resolution of 720p at 30 Fps,
191	 Minimum Still photography of 12 megapixels.
192	
193	 Be capable of streaming live video either internally or with added equipment,
194	 Be equipped or fitted with FAA approved anti-collision lights if flown at night,
195 196	• Demonally, owned all AS aimmaft shall not be used for any law enforcement or public sofety
190 197	• Personally owned sUAS aircraft shall not be used for any law enforcement or public safety
197	purposes.
199	• sUAS Crew Members
200	 Crew members for sUAS flights shall consist of the following:
200	 Remote Pilot in Command (RPIC),
202	 Visual Observer (VO)
203	Recommended but optional for day time flights flown under Part 107 Licensure,
204	Required if flying under the authority of the York County jurisdictional COA, and
205	Required and specially trained for all night time flights.
206	
207	sUAS Crew Member Qualifications and Training
208	• Prior to selection as a patrol sUAS pilot, deputies shall:
209	 Be a member of the York County R.O.V.E.R. team,
210	 Due to stipulations by the FAA and waivers granted under the authority of the York
211	County jurisdictional COA, only R.O.V.E.R. team members meeting the
212 213	qualifications and training requirements established under the COA may fly sUAS aircraft under authority of the COA.
213	ancrait under autionity of the COA.
214	 Complete a R.O.V.E.R. team approved sUAS pilot training course,
216	 Successfully complete and obtain and maintain a FAA Part 107 Commercial Remote
217	Pilot's License.
218	 Unlicensed sUAS pilots shall not fly Sheriff's Office sUAS aircraft outdoors except
219	under the direct supervision of a properly licensed sUAS pilot.
220	
221	 sUAS Pilots are required, by the FAA for night flight operations whether flying
222	under authority of Part 107 licensure with a night waiver or flying under the authority
223	of the York County jurisdiction COA, to complete specialized night training listed
224	below prior to flying at night.
225	
226	

227		• Selection as a visual observer
228		• For daytime flights any York County public safety employee may be utilized as a visual
229		observer.
230		It shall be the responsibility of the RPIC to brief non sUAS pilot visual observers on
231		their responsibilities and expectations while serving as a visual observer.
232		
233		• Visual observers are required by the FAA for night flight operations whether flying under
234		authority of Part 107 licensure with a night waiver or flying under the authority of the
235		York County jurisdiction COA which includes a night waiver.
236		 The specialized night training listed below shall be completed by anyone prior to
230		performing the duties of a visual observer during night flights.
238		performing the duties of a visual observer during night fights.
230		• Prior to conducting any night flights nilots and visual observors shall:
239		 Prior to conducting any night flights pilots and visual observers shall: Complete decommented and maximize P.O.V.F.P. team night flight training or on
		 Complete documented and recurring R.O.V.E.R. team night flight training or an
241		approved documented initial and recurring night flight training course which covers the
242		following:
243		 How to recognize and overcome visual illusions caused by darkness,
244		 Understanding physiological conditions which may affect night vision,
245		 Crew member and aircraft requirements for night flight.
246		
247	٠	sUAS Equipment
248		• The following equipment shall be issued to patrol sUAS pilots:
249		 sUAS aircraft,
250		 sUAS aircraft flight batteries,
251		 sUAS aircraft flight controller,
252		 Propeller guards, if aircraft is to be flown indoors,
253		• Wi-Fi enabled cellular telephone unless the flight controller is equipped with an internal
254		monitor and Wi-Fi capability,
255		 Flight battery charger,
256		 Video streaming device if required,
250		 Required storage media.
258		- Kequirea storage media.
258 259	•	sUAS Maintenance
	•	
260		• All sUAS aircraft shall be maintained in accordance with manufacturer's recommendations.
261		• The sUAS pilot shall be responsible for the following:
262		 Daily aircraft inspection to determine flight worthiness,
263		 Pre-flight and post flight inspections,
264		 Minor repairs such as propeller changes,
265		 Flight controller firmware updates.
266		
267		• All other maintenance, other than routine maintenance, shall be performed by individuals
268		qualified to perform the maintenance tasks.
269		• All maintenance tasks, other than daily inspections, pre-flight or post flight inspections, shall
270		be logged in the sUAS maintenance log.
271		• A maintenance log shall be maintained for each sUAS aircraft. The maintenance log
272		shall be:
273		The computerized flight and maintenance log utilized by the R.O.V.E.R. team.
274		\blacktriangleright The log shall note the following:
275		\checkmark Date and repair completed,
276		✓ Name of person completing the repair.
277		r r r r r r r r r r r r r r r r r r r

278	 All scheduled sUAS aircraft maintenance shall be performed by the RPIC the patrol
279	sUAS aircraft is issued to.
280	All scheduled maintenance tasks shall be logged and signed off on by the person
281	completing the scheduled maintenance.
282	
283	OPERATIONS
284	
285	• Patrol sUAS aircraft may be used for, but not limited to the following:
286	• Searches for missing persons,
287	 Searches for fleeing suspects, if a law enforcement officer is in hot pursuit,
288	 Searches for a suspect fleeing the scene of a crime,
289	 Documenting reportable accidents or for accident reconstruction,
290	 Documenting reportable accidents of for accident reconstruction, Documenting crime scenes if a search warrant or consent has been obtained,
291	
292	
	warrant or capias has been obtained,
293 294	 Support of Fire and Life Safety personnel at incident scenes, Upperdoug Materials (Upperdougle incidents)
	 Hazardous Materials (Hazmat) incidents,
295	• Damage assessment following a natural disaster,
296	• Areas prone to flooding before, during or following a weather event,
297	• Over watch of a location where a search warrant is being executed.
298	• To search the inside of a building following a forced entry burglary if it is believed the
299	offender may still be inside the building.
300	
301	sUAS Operating Parameters
302	• The sUAS pilot in command shall be have the final authority regarding issues of flight safety
303	and conditions of flight when deciding if a flight can be conducted safely and within the
304	sUAS aircraft capabilities and FAA regulations.
305	• Sheriff's Office patrol sUAS aircraft shall not be operated in the following:
306	 Rain, unless the sUAS aircraft is rated for flying in moisture,
307	 Fog, unless the sUAS aircraft is rated for flying in moisture,
308	 Snow, Unless the sUAS aircraft is rated for flying in moisture,
309	Command level officers with the York-Poquoson Sheriff's Office may authorize the
310	use of patrol sUAS aircraft during adverse weather conditions in extreme
311	circumstances when the mission tasking outweighs the potential risk of sUAS aircraft
312	loss due to weather conditions, such as:
313	 Active shooter situations,
314	 A law enforcement officer is shot or being shot at,
315	 Any incident where the information obtained from the sUAS flight may be used
316	to protect individuals from serious bodily injury or death.
317	to protect individuals from serious bodily injury of death.
318	• At night unloss both the nilet and chapman are night flight qualified and with a night
	 At night unless both the pilot and observer are night flight qualified and with a night
319	flight waiver,
320	 In controlled airspace, class B, C, D, and E airspace without airspace authorization,
321	 Above 400 feet AGL without a waiver, Above the LAANC emproved altitude in controlled simples, without a mainer
322	 Above the LAANC approved altitude, in controlled airspace, without a waiver,
323	 From or over a military installation, other restricted airspace, or if a TFR is in place
324	without permission from the installation command and or FAA permission for other
325	restricted airspaces,
326	• Over people, without a waiver,
327	 Over moving vehicles, without a waiver,
328	 Beyond visual line of sight of the pilot, or visual observer if utilized, without a waiver,

329 330 331 332 333 334 335 336 337 338 339 340 341	 Multiple visual observers may be used as long as each observer maintains direct communication with the pilot either verbally or through use of a communications system. Any time the pilot in command deems the flight cannot be conducted safely for any reason. sUAS propeller guards shall be utilized for all indoor patrol sUAS flights. The pre-programmed automatic return to home altitude shall not exceed 400 feet AGL in class G airspace or the maximum altitude permitted in controlled airspace in accordance with the LAANC system, UAS facilities map. Any flights within controlled airspace which are required to be flown above the maximum altitude authorized through the LAANC system will require a SGI waiver be obtain prior to
342 343	the flight.
344	• sUAS Deployment
345	• Strict adherence to individual's constitutional rights under the 4 th Amendment and
346	requirements under the Code of Virginia must be observed at all times sUAS aircraft are
347	used.
348	• Indoor use of a sUAS aircraft is not regulated by the FAA. However; when flying a sUAS
349	aircraft from an outdoor location to inside a building, FAA regulations shall be followed
350	during all outdoor phases of flight until the aircraft crosses the threshold entering then exiting
351	a building.
352	• Section <u>19.2-60.1</u> , Code of Virginia, prohibits the use an unmanned aircraft (sUAS) except
353	during the execution of a search warrant or the following circumstances:
354	 For training purposes,
355	 When an Amber, Senior Alert or Blue Alert is activated,
356	 Where the use is determined necessary to alleviate an immediate danger to any person,
357	 Following an accident where a report is required,
358	 To survey an accident scene or for purposes of crash reconstruction,
359	 A person with legal authority consents to the warrantless search, To summary a primary residence of a publication of an error transmission of a subject of a
360	 To survey a primary residence of a subject of an arrest warrant in order to formulate a plan to execute an arristing warrant or coning for a followy offense.
361 362	plan to execute an existing warrant or capias for a felony offense,
362	 Locate a person sought for arrest when such person has fled from a law enforcement officer and a law enforcement officer remains in hot pursuit of such person
363 364	 officer and a law enforcement officer remains in hot pursuit of such person, Conduct damage assessments
365	Conduct damage assessments,Conduct traffic assessments,
366	 Conduct traine assessments, Conduct flood state assessments,
367	 Conduct mood state assessments, Conduct wildlife assessments,
368	 In support of the Commonwealth or other locality for purposes other than law
369	enforcement.
370	
370	• Unless one of the exemptions listed above is present, sUAS flights shall not be launched from
372	private property without consent of the property owner nor be flown within 50 feet of a
373	residential dwelling in accordance with Section <u>18.2-121.3</u> , Code of Virginia.
374	 Flights from private property, such as a shopping center, with a public access parking lot
375	may be conducted without owners consent unless the purpose of the flight is to surveil a
376	business or a person on the property where the flight is taking place, unless a search
377	warrant has been obtained or one of the exemptions above is present.
378	
379	Supervisor responsibilities
	- •

380 381	• Any York-Poquoson Sheriff's Office supervisor may authorize the use of a Patrol sUAS.
382	• The supervisor authorizing the sUAS usage shall ensure that the provisions of Section <u>19.2</u> - 60.1 Code of Virginia are met prior to authorizing the sUAS use
382	 60.1, Code of Virginia are met prior to authorizing the sUAS use. Nothing in the policy shall preclude the supervisor from requesting the deployment of the
383 384	 Routing in the poncy shall preclude the supervisor from requesting the deproyment of the R.O.V.E.R. team.
385	K.O.V.E.K. team.
385	The supervision on supervision's designed shall obtain any required normissions in accordance
	• The supervisor or supervisor's designee shall obtain any required permissions in accordance
387	with Section <u>18.2-121.3</u> , Code of Virginia prior to the flight of patrol sUAS aircraft.
388	
389	sUAS Pilot in Command responsibilities
390	• The sUAS pilot in command is ultimately responsible for safely and legally conducting any
391	patrol sUAS flights.
392	• The sUAS pilot in command shall:
393	 Respond to the scene Level 3 emergency response, unless directed otherwise.
394	 Verify with the Supervisor or his designee that any necessary permissions have been
395	obtained,
396	 Determine if the mission can be flown safely and within the capabilities of the sUAS
397	aircraft,
398	 Determine if the flight will be flown under:
399	 FAA Part 107 regulations, or
400	The York County jurisdictional COA.
401	
402	 Obtain any necessary weather briefings,
403	 Obtain necessary airspace authorization if the flight is to be conducted in controlled
404	airspace,
405	 File any required NOTAMs prior to conducting the flight,
406	 Obtain any required SGI waivers,
407	 Safely conduct the flight.
408	 Advise the supervisor if the flight cannot be conducted for any reason.
409	The sUAS pilot is the final authority regarding flight conditions and safety and may
410	decline to conduct the flight if he/she determines the flight cannot be conducted
411	safely due to:
412	Hazards in the area which would make the flight unsafe,
413	➢ Weather conditions,
414	\checkmark Command level officers may direct the flight be conducted in adverse
415	weather conditions if the flight is being conducted to prevent serious injury
416	or death to individuals.
417	
418	The flight would be in violation of FAA regulations,
419	
420	 Record via video and still images as necessary, all mission flights,
421	 Properly document and upload all mission flight activities.
422	
423	sUAS Mission Documentation
424	• All patrol sUAS missions shall be video recorded either through aircraft on board video
425	recording or streaming remote video recording equipment.
426	 All patrol sUAS missions shall be documented as follows:
427	 sUAS aircraft telemetry data shall be uploaded into the Sheriff's Office flight
428	management system or through a manual log entry identifying the following:
429	 Date of flight,
430	 Objective of flight (Mission type),
	J

431	✤ Aircraft used,
432	 Pilot in Command,
433	✤ Visual observer, if utilized.
434	
435	• A supplemental report shall be written to the original incident report listing at a minimum
436	the following:
437	✤ Make and model of sUAS aircraft used,
438	 Date and time the mission began,
439	 Date and time the mission edgal, Date and time the mission ended,
440	 Pilot in Command,
441	 Visual observer(s), if utilized,
442	 Weather conditions during the mission,
443	 Whether video or still images were obtained,
444	 Results of the mission,
445	 Reason for mission cancellation if applicable.
446	• Reason for mission cancentation in applicable.
447	• A separate incident report shall be generated for sUAS mishaps which requires a FAA
448	accident/mishap report to be filed.
449	 A copy of the FAA accident/mishap report shall be attached to Sheriff's Office
450	incident report.
451	 A copy of the Sheriff's Office accident/mishap incident report and FAA
452	accident/mishap report along with any associated video or still image shall be
453	forwarded to the Sheriff's Office R.O.V.E.R. team Commander and the Commander
454	of the Administrative Services Division if different from the R.O.V.E.R. team
455	Commander.
456	Commander.
457	 Mission video recordings that contain evidentiary video shall be uploaded to the Sheriff's
458	Office body camera/in car camera video storage system.
459	 Still mission images shall be uploaded to the Sheriff's Office Network image drive.
460	 All mission video and still images shall be identified by the incident/case number.
461	• An mission video and sun mages shan be identified by the merdenivease number.
1.10	• Patrol sUAS Aircraft Accidents/Mishaps
463	 If flying under FAA Part 107 licensure, a FAA accident/mishap report shall be filed by
464	the RPIC within 10 days for any sUAS accident/mishap involving any of the following:
465	 Serious injury or loss of consciousness of any person as a result of the flight,
466	 Serious injury is defined as the following:
467	 Hospitalization for more than 48 hours, commencing within 7 days from the
468	date the injury was received,
469	 A fracture of any bone, except simple fractures to fingers, toes or nose,
470	 A fracture of any bone, except simple fractures to fingers, toes of nose, Severe hemorrhages, nerve, muscle, or tendon damage,
471	 Severe hemorrhages, herve, husele, or tendon damage, Involving an internal organ,
472	 Involving an internal organ, Involving second or third degree burns, or any burn affecting more than 5
473	percent of body surface.
474	percent of body surface.
475	Damage to any property, other than the sUAS aircraft, unless one of the
475	following conditions is satisfied:
470	The cost of repair, including materials and labor, does not exceed \$500.00.
478	 The cost of repair, including materials and labor, does not exceed \$500.00. The fair market value of the property does not exceed \$500.00 in the event of
478	a total loss.
	a total loss.
480	

481 •	In Hying under the Fork county jurisdictional corr a Frist accident inishap report shar
482 483	 be filed by the RPIC within 24 hours for accidents/mishaps involving the following: All accidents/mishaps listed above and if any of the following occur during flight:
484	 Total unmanned aircraft loss,
485	Substantial damage to sUAS aircraft systems where repair is required prior to
486	further flight,
487	Damage to property other than the sUAS aircraft,
488	Malfunction or failure of onboard flight control or navigation system,
489	Malfunction or failure of ground control station flight control hardware or
490	software,
491	A power plant (Engine/motor) failure,
492	➢ A in-flight fire,
493	➤ A Collision with any other aircraft,
494	A deviation from ATC clearance,
495	A lost link resulting in:
496	✓ A fly-away, or
497	\checkmark Execution of a pre-planned loss link procedure.