

Commercial in Confidence



ACP 2022-203 Final Submission

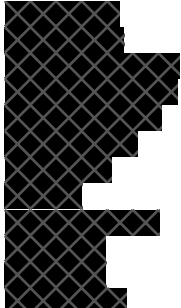
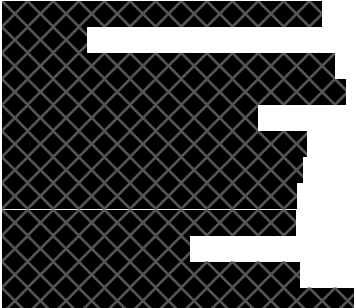
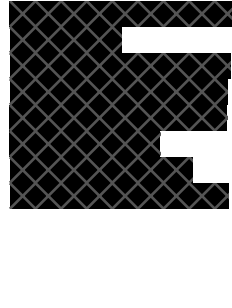
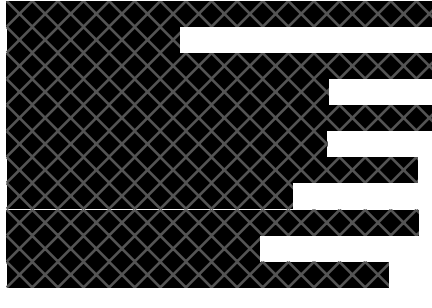
Nov 2023

Appendix 1

Flight Objectives Mapping

ID	Phase of Flight	"Child" Validation Requirement	FF3 Roadmap Mapping		Performance Requirements		
			ID	"Parent" Validation Objective(s)	Method for opportunities (subject to further development)	Success Criteria	Key Performance Indicators & Metrics
A-i1	Pre-flight	[REDACTED]	S02	Demonstrate interoperability of UTM and ATM e.g., ability to manage a single flight plan across UTM and ATM designated airspace	[REDACTED]	[REDACTED]	[REDACTED]

<p>A- i2</p> <p>Pre-flight</p>		<p>S04</p> <p>Demonstrate planning of UTM operations with strategic deconfliction and demand balancing to ensure efficiency</p> 	
<p>A- i3</p> <p>Departure</p>		<p>S02</p> <p>Demonstrate interoperability of UTM and ATM e.g., ability to manage a single flight plan across UTM and ATM designated airspace</p> 	

	ATM/UTM interface.	
A- i5	En route  S34 Demonstrate planned Drone / AAM operations alongside existing General Aviation traffic, with conflict management systems/ability to adapt 	 

	[REDACTED]	<p>S16 Demonstrate co-operative and non-co-operative surveillance capability for aircraft detection under 400ft</p>	[REDACTED]	
A-i6 En route	[REDACTED]	<p>S34 Demonstrate planned Drone / AAM operations alongside existing General Aviation traffic, with conflict management systems/ability to adapt</p>	[REDACTED]	[REDACTED]
		<p>S24 Demonstrate high-integrity, low-latency data exchange for digital infrastructure</p>		
		<p>S17 Demonstrate command and control links with aircraft</p>		

<p>A- i7</p> <p>Post mission</p>	 	<p>S34</p> <p>Demonstrate planned Drone / AAM operations alongside existing General Aviation traffic, with conflict management systems/ability to adapt</p>	 
<p>A- i8</p>		<p>NXX</p> <p>Demonstrate a drone delivery service that meets the Scottish Ambulance Service's performance requirements</p>	
<p>A- i9</p>		<p>NXX</p> <p>Demonstrate a drone delivery service that meets the Scottish Ambulance Service's performance requirements</p>	
<p>N- i1</p> <p>ALL</p>		<p>S39</p> <p>Demonstrate large scale network of drone delivery both point to point and adhoc delivery</p>	

N- i2 Pre-flight	[Redacted]	S05	[Redacted]	[Redacted]	[Redacted]
N- i3	[Redacted]	N02	Demonstrate a drone delivery services that complies with NHS Scotland policies and regulations	[Redacted]	[Redacted]
N- i4	[Redacted]	N02	Demonstrate a drone delivery services that complies with NHS Scotland policies and regulations	[Redacted]	[Redacted]

N-i5	[REDACTED]	N02	Demonstrate a drone delivery services that complies with NHS Scotland policies and regulations	[REDACTED]
N-i6	[REDACTED]	N02	Demonstrate a drone delivery services that complies with NHS Scotland policies and regulations	[REDACTED]
N-i7	[REDACTED]	N01	Demonstrate a drone delivery service that meets NHS Scotland's interface and design requirements	[REDACTED]
N-i8	[REDACTED]	N01	Demonstrate a drone delivery service that meets NHS Scotland's interface and design requirements	[REDACTED]
N-i9	[REDACTED]	S46	Demonstrate use cases that actively engage with the public, provide social benefits and support	[REDACTED]

		social acceptability	[REDACTED]
N-i10	[REDACTED]	N02 Demonstrate a drone delivery services that complies with NHS Scotland policies and regulations	[REDACTED]
N-i11	[REDACTED]	N03 Demonstrate a drone delivery service that meets NHS Scotland's performance requirements	[REDACTED]
N-i12	[REDACTED]	N03 Demonstrate a drone delivery service that meets NHS Scotland's performance requirements	[REDACTED]

N- i13	[Redacted]	N03 Demonstrate a drone delivery service that meets NHS Scotland's performance requirements	[Redacted]
N- i14	[Redacted]	N03 Demonstrate a drone delivery service that meets NHS Scotland's performance requirements	[Redacted]
A- L1 En route	[Redacted]	S46 Demonstrate use cases that actively engage with the public, provide social benefits and support social acceptability	[Redacted]
A- L2 En route	[Redacted]	S20 Demonstrate exchange of information between flight operations, airport and traffic management services to manage predictability of operations	[Redacted]
A- L3 Arrival	[Redacted]	S20 Demonstrate exchange of information between flight operations, airport and traffic management services to manage	[Redacted]

				predictability of operations		
A-L4	Arrival	[REDACTED]	S31	Demonstrate management of complex approach operations (e.g., short runway, difficult approach, management of weather or aerodynamic effects)	[REDACTED]	[REDACTED]
A-L5	All	[REDACTED]	S39	Demonstrate large scale network of drone delivery both point to point and adhoc delivery	[REDACTED]	[REDACTED]
A-L6	All	[REDACTED]	N02	Demonstrate a drone delivery services that complies with NHS Scotland policies and regulations	[REDACTED]	