Transformative Vertical Flight (TVF) Working Group
Mission Elements - Topics/Subtopics Relevance Matrix

What			Why: COMMUNITY/MARKET ACCEPTANCE							How: TECHNOLOGY													How: CERTIFICATION/ REGULATIONS				How: INFRASTRUCTURE					
Missions Elements			Time Savings Personal Convenience	More Affordable Missions	Mission/Business Advantage	Energy Savings	Reduced Crew for Efficient Operations	Greater Safety and Security	Net Environmental Benefits	VTOL Specific	STOL Specific	Autonomous Systems	High Density Airspace Operations	Energy Efficient	High Specific Energy Storage	Electric Power mgmt. and Distribution	Integrated Flight & Propulsion Control	Aircraft Mgmt. Sys, Nav., Sense & Avoid	Affordable Acquisition	Superior Passenger & Community Safety	Acceptable Noise Levels	Low Emissions	Manufacturing	Training	Mission Operations	Physical & Cyber Security	Urban Vertiport	Suburban Air Park	Airspace Comm., Nav., Surveillance Systems	Electric Utility Distrib. & Availability	Recycle and Recharge	Liability Protections
Private	Personal Use	Personal Transportation	Strong			Strong		Moderate	Strong	Strong		Strong	Moderate	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong		Strong	Strong	Strong	Strong
		Recreational	Strong			Strong		Moderate		Strong		Strong		Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong		Strong				Strong	Strong	Strong
Commercial	Short Range Intra-city	Urban Air-Taxi	Strong	Strong	Strong	Strong	Strong	Moderate	Strong	Strong		Strong	Moderate	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong		Strong	Strong	Strong	Strong
		Local Package Delivery	Strong	Strong	Strong	Strong	Strong	Moderate	Strong	Strong		Strong	Moderate	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong		Strong	Strong	Strong	Strong	Strong
		Air-Crane Lift Systems		Strong	Strong			Moderate		Strong		Strong				Strong	Strong		Strong		Moderate	Moderate	Strong	Strong						Strong	Strong	Strong
	Longer Range Inter-city	Suburban/Regional transit	Strong	Strong	Strong	Strong	Strong	Moderate	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong		Strong	Strong	Strong	Strong	Strong
		Regional Package	Strong	Strong	Strong	Strong		Moderate	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong		Strong	Strong	Strong	Strong	Strong
Public Services	Unique Operational Requirements	Search & Rescue					Strong	Strong		Strong		Strong		Strong	Strong	Strong	Strong	Strong	Strong	Strong	Moderate	Moderate	Strong	Strong		Strong			Moderate	Strong	Strong	
		Law enforcement					Strong	Strong		Strong		Strong		Strong	Strong	Strong	Strong	Strong	Strong	Strong	Moderate	Moderate	Strong	Strong	Strong	Strong			Moderate	Strong	Strong	
		Medivac					Strong	Strong		Strong		Strong		Strong	Strong	Strong	Strong	Strong	Strong	Strong	Moderate	Moderate	Strong	Strong	Strong	Strong			Moderate	Strong	Strong	
		Emergency/Humanitarian		Strong			Strong	Strong	Strong	Strong	Strong	Strong		Strong	Strong	Strong	Strong	Strong	Strong	Strong	Moderate	Moderate	Strong	Strong		Strong			Moderate	Strong	Strong	
		Military		Strong		Strong	Strong	Strong		Strong	Strong	Strong	Moderate	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Moderate	Moderate	Strong	Strong	Strong	Strong			Strong	Strong	Strong	

Strong Correlation
Moderate Correlation

Mission Elements
Working Group #1: Private / Recreational Vehicles
Working Group #2: Commercial Intra-city
Working Group #3: Commercial Inter-city
Working Group #4: Public Services

Topics
COMMUNITY/MARKET ACCEPTANCE
TECHNOLOGY
CERTIFICATION/ REGULATIONS
INFRASTRUCTURE