

- Brief introduction:
 - Yolanka
 - Working Group #3 Commercial Inter-City (Longer range). Suburban/Regional transit, Regional Package Distribution:
 - WG #3 is tasked with defining activities in appropriate timeframes that would lead to the creation of a national capability for longer-range suburban and regional air transit systems, and regional air-transport package distribution.
- Meetings on website NARI – 6 recorded meetings since October to present.
- Bi-weekly meetings.
- Google Drive platform for Roadmap one page directives.
- Members roster available on NARI website

➤ Roadmap One Page Directives complete (found on google drive:

- Roadmap: Acceptance:

- Potential for TVF intercity - Marilena D. Pavel (TU Delft)
- Net Environmental Benefits
- Energy savings
- Mission & Business advantage

“There is much more to a journey than a simple equation of time, distance and speed. Many other dimensions and attributes affect the choices of travelers, whose awareness and responsiveness to price, time, comfort, service availability, vary considerably among different categories of customers.” - Marilena

- Roadmap: Technology:
 - V/STOL & Propulsion Airframe Integration - Hyun Dae Kim (NASA/AFRC)

- Timeline and further descriptions:
 - DEP & airframe integration
 - High lift & mission requirements
 - Propulsion
 - Cruise
 - Flight demos
 - Entry into service.

- Roadmap: Technology:
 - Integrated flight- Bruce R Cogan (NASA AFRC)
- Timeline & further descriptions:
 - Flight controls
 - Pilot aircraft interfaces
 - System characteristics
 - Flight test data
 - Autonomy

Priority Roadmap topics determined through meeting discussions:

➤ Acceptance:

- Mission/business advantage:
 - Mega region air-commuter business plan
- More affordable missions:
 - On Demand Air Ferry
 - Large Corporate Campus to Campus concept
 - Resort & tourism based transportation
- Greater safety and security:
 - Electric aircraft reliability safety and redundancy requirements
 - Cyber security

➤ Technology:

- VTOL/STOL specific:
 - Regional transport
- Autonomous systems:
 - Define Autonomous Systems
- Integrated flight/propulsion control:
 - Pilot/vehicle interface and handling qualities demo
- Affordable acquisition:
 - Initial hybrid VTOL/STOL platform development
- Acceptable noise levels:
 - Define equivalent noise routes, railway/highway

➤ Certifications & Regulations:

- Manufacturing:

- Electric aircraft HIRF, EMI, EMP standards
- Dependable flight components qualification testing

- Mission Operations:

- Identify new certification requirements

- Physical & Cyber Security

➤ Infrastructure:

- Urban Vertiport:

- Vertiport Ground Station Standards
- Vertiport basing technology demo (maint., ops. & repair)

- Suburban air park:

- Air Park Ground Station Standards
- Air Park basing technology demo (maint., ops. & repair)

- Electric utility distribution & availability: