

PANEL 4

Manitoba priorities related to technology development partnerships



Composites
Innovation Centre

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Emerson Report



Panel 4 Issue: operation of the Technology Demonstrator Program

- higher TRL level demonstrators need to be industry led
- potential programs listed, CRIAQ, GARDN and STDC need to be expanded to include others such as CIC, CCMRD, CRN and NRC that can blend together to develop and commercialize technologies across the TRL spectrum
- key elements for higher TRL technology demonstrator projects:
 - industry linking the technology path to a marketable product
 - clearly defined requirements
 - management of critical timelines
 - funding and budget ownership
 - IP control
 - a viable technology transition plan
 - business case validation
 - Flexibility, University participation is not always required
 - Must effectively engage SME's / supply chain with OEMs on the projects

Panel 4 Issue: TDDC Recommendation 3: Foster Collaboration in the Sector

- Proposed creation of Canadian Aerospace Research and Innovation Consortium, CARIC should leverage existing innovation / collaboration centres i.e. CRIAQ, GARDN, CCMRD, CIC, CRN
- CARIC could be a vehicle to facilitate funding to these centres
- CARIC should promote collaboration and reduction of duplication between these centres
- CARIC should support development of new innovation centres in niche areas not addressed by existing centres
- CARIC should be responsible for large-scale tech demo projects but delegate small to medium scale to existing innovation centres to maintain focus
- Existing innovation / collaboration centres should be involved as advisory committee to CARIC during development and its operation

Panel 4 Issue: Transport Canada knowledge of new technologies

- TC needs to build up a network of DAO's and internal knowledge to support certification of new technology based aircraft
- TC should be actively involved in the technology demonstrator projects so that they are prepared to support certification
- improves time to market for companies
- reduces overall costs
- builds credibility for Canadian aerospace products