

Manitoba Aerospace Workshop

Technology Priorities, Economic Development and the Emerson Aerospace Review

Background

The aerospace sector in Manitoba is a critical and thriving component of Manitoba's and Western Canada's economy, supporting over 5,000 jobs and for producing more than \$1.6B worth of goods and services annually, of which 80% are exported. The sector includes more than 40 business establishments, anchored by three global companies: Boeing Operations Canada; Standard Aero; and Bristol, a Magellan Company. The industry's primary focus is on complex components design and manufacturing (composites, metallic, and thermoplastics), precision machining, maintenance, repair and overhaul (MRO), and environmental testing.

Manitoba has a vibrant and successful aerospace industry that has been built on entrepreneurship, effort and productivity. Technology and competitiveness are the basis for continuing success.

Situation

Competitiveness is emphasized in an article in the Globe and Mail (3 Oct 2012) which states that Canada's aerospace sector is under increasing threat from a competitive global aerospace market. The main point of the article is as follows: *'To meet the new global challenge, more Canadian aerospace companies need to move up the value chain, stay ahead of the innovation curve and pour more resources into research and development to foster the growth needed to take on bigger rivals over the long term'*. To react to the global competitiveness challenge and to take full advantage of arising opportunities, this Workshop provides the Manitoba Aerospace Community the opportunity to discuss the benefits of developing a Technology Strategy Document that could provide prioritization and direction to Manitoba's technology initiatives based on economic development considerations.

One major opportunity is related to the Government of Canada's Aerospace Review launched in February 2012 and released in November 2012. The mandate of this review was *'to produce concrete, fiscally-neutral recommendations on how federal policies and programs can help maximize the competitiveness of Canada's aerospace industry'* and the final report ***'Beyond the Horizon: Canada's Interests and Future in AEROSPACE'*** has delivered these recommendations.

The recommendations of this report will affect the Government of Canada's aerospace program support and it is understood that the Aerospace Industries Association of Canada will be formulating a general response to the government regarding implementation. It is anticipated that regional/provincial aerospace associations will formulate their own response that will be used to ensure that their more local needs are reflected in any response to government by the AIAC and by any implementation plans by the government. In this competitive process, it is imperative that Manitoba should be prepared to ensure its needs and priorities are properly documented and marketed. At this workshop, industrial, academic and government aerospace leaders from Manitoba have an opportunity in an open forum to consider the recommendations from the aerospace review report, particularly those related to technology development, technology funding, collaborations and workforce development, and develop and from this consideration, develop a response strategy that is Manitoba centric.

Anticipated Outcomes

- Broad understanding of the technology challenges facing the Manitoba aerospace community from an economic development viewpoint, including timelines.
- Identification of technology themes and collaborative mechanisms for the Manitoba aerospace industry.
- Consensus on Manitoba aerospace community perspective on whether to generate a Strategic Technology Document for Manitoba, potentially through an industry led roadmap type process that has wide involvement from all members of the aerospace community.
- Broad understanding of opportunities and challenges for Manitoba arising from the Emerson Report recommendations including discussion of developing a coordinated Manitoba response to the Emerson Report recommendations.

Workshop Format

A. General format and logistics:

1. Be held in the Winnipeg at the Hilton Suites Hotel, January 16th and 17th.
2. No registration fee or catering fee.
3. Panel discussion sessions will be moderated to ensure critical questions and issues are raised.

B. Speakers to be invited to provide up to 15 minute presentations:

- Each panel session is focussed on a set of recommendations with a common theme. These recommendations come from both the main report and the working group reports.
- Panel members will be invited to provide their perspective on their specific Panel topic and recommendations. Candidate organizations and speakers are noted for reference but it is likely that time constraints will restrict the number of speakers selected. The organizers will ensure however, that all communities will be represented on the panels.

C. External Speakers

- The report recommends new national initiatives on collaboration and large scale technology demonstrators. External speakers from CRIAQ (Dr. Clement Fortin, President and CEO), NRC (Mr. Jerzy Komorowski, General Manager NRC Aerospace), and the Composites Research Network (Dr. Anoush Poursatip, Director) will be invited to provide comment on these topics with emphasis on Manitoba opportunities and challenges.

D. Reporting

- A summary report of the workshop will be prepared and distributed to all attendees. Included in this summary report will be a list of arising action items from the workshop.

Workshop Program Outline

The following provides an overview of the Workshop Program. Full listing of the Panel Members will be widely distributed by 12 January 2013.

Day 1: January 16, 2013

0730	Continental Breakfast
0800	Welcome K. Webb Manitoba Aerospace Association
	Workshop Overview and Goals D.L. Simpson, EnviroTREC
0830	Aerospace Review Summary: Opportunities and Challenges from Manitoba Perspective Ken Webb, MAA
0900	PANEL 1: Manitoba Priority Technologies for Economic Development Moderator: Vic Gerden, WestCaRD
12:00	LUNCH
13:00	PANEL 2: Manitoba Priorities related to Technology/Funding Moderator: David Simpson, EnviroTREC
16:30	Day 1 Closure Reception and Cash Bar

Day 2

0730	Continental Breakfast
08:00	<p>PANEL 3: Manitoba Priorities related to Workforce Development</p> <p>Moderator: Ken Webb, MAA</p>
11:00	<p>PANEL 4: Manitoba Priorities related to Technology Development Partnerships</p> <p>Moderator: David Simpson, EnviroTREC</p>
12:00	LUNCH
13:00	PANEL 4 <i>Continued</i>
15:30	<p style="text-align: center;">WRAP-UP PANEL DISCUSSION</p> <p style="text-align: center;">Way Ahead: Technology Priorities, Economic Development and the Emerson Aerospace Review</p> <p style="text-align: center;">Moderator: David Simpson, EnviroTREC</p>
	<p>Panel members: Selected Winnipeg based speakers from industry, academia and government</p>
	<p>Topics: Panel members will address the Way Ahead regarding Technology Strategy and Manitoba response to the Emerson Recommendations with emphasis on the Goals stated below.</p>
	<p>Goals:</p> <ul style="list-style-type: none"> • Broad understanding of the Technology challenges facing the Manitoba aerospace community from an economic development viewpoint, including timelines. • Identification of technology themes and collaborative mechanisms for the Manitoba aerospace industry. • Consensus on Manitoba aerospace community perspective on whether to generate a Strategic Technology Document for Manitoba, potentially through an industry led roadmap type process that has wide



	<p>involvement from all members of the aerospace community.</p> <ul style="list-style-type: none">• Broad understanding of opportunities and challenges for Manitoba arising from the Emerson Report recommendations including discussion of developing a coordinated Manitoba response to the Emerson Report recommendations.
17:00	WORKSHOP CLOSURE

This Workshop Is Supported By:

