

Bill No. CS for CS for CS for SB 406, 1st Eng.

Amendment No. ____

	<u>Senate</u>	CHAMBER ACTION	<u>House</u>
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11	Senator Kirkpatrick moved the following amendment:		
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13	Senate Amendment (with title amendment)		
14	On page 24, between lines 8 and 9,		
15			
16	insert:		
17	Section 14. Section 331.368, Florida Statutes, is		
18	amended to read:		
19	331.368 Florida Space Research Institute.--		
20	(1) There is created the Florida Space Research		
21	Institute, the purpose of which is to serve as an		
22	industry-driven center for research, leveraging the state's		
23	resources in a collaborative effort to support Florida's space		
24	industry and its <u>expansion, diversification, and transition to</u>		
25	commercialization.		
26	(2) The institute shall operate as a public/private		
27	partnership under the direction of a board <u>composed</u> comprised		
28	of:		
29	<u>(a) A representative of the Spaceport Florida</u>		
30	<u>Authority.</u>		
31	<u>(b) A representative of Enterprise Florida, Inc.</u>		

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1 (c) A representative of the Florida Aviation Aerospace
2 Alliance.

3 (d) A representative of the Florida Space Business
4 Roundtable.

5 (e) Additional private-sector representatives from the
6 space industry selected collaboratively by the core members
7 specified in paragraphs (a)-(d). The additional space industry
8 representatives under this paragraph must comprise the
9 majority of members of the board and must be from geographic
10 regions throughout the state.

11 (f) Two representatives from the educational community
12 who are selected collaboratively by the core members specified
13 in paragraphs (a)-(d) and who are engaged in research or
14 instruction related to the space industry. One representative
15 must be from a community college and one representative must
16 be from a public or private university.

17
18 Annually, the members of the board shall select one of the
19 members to serve as chair, who shall be responsible for
20 convening and leading meetings of the board.~~representatives~~
21 ~~of the Spaceport Florida Authority, Enterprise Florida, Inc.,~~
22 ~~the Florida Aviation and Aerospace Alliance, and four~~
23 ~~additional space industry representatives selected by the core~~
24 ~~membership of the board.~~

25 (3) The board of the Florida Space Research Institute
26 shall:

27 (a) Set the strategic direction for the space-related
28 institute, including research priorities of the state and its
29 space-related businesses, the scope of research projects for
30 the institute, and the timeframes for completion.

31 (b) Invite the participation of public and private

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1 universities, including, but not limited to, the University of
2 Central Florida, the University of Florida, the University of
3 South Florida, Florida State University, Florida Institute of
4 Technology, and the University of Miami.

5 (c) Select a lead university to:

6 1. Serve as coordinator of research and as the
7 administrative entity of the institute;

8 2. Support the institute's development of a statewide
9 space research agenda and programs; and

10 3. Develop, and update as necessary, a report
11 recommending ways that the state's public and private
12 universities can work in partnership to support the state's
13 space-industry requirements, which report must be completed by
14 December 15, 2000.

15 (d) Establish a partnership with the state Workforce
16 Development Board, or its successor entity, under which the
17 institute coordinates the workforce-training requirements
18 identified by the space industry and supports development of
19 workforce-training initiatives to meet such requirements,
20 using training providers approved by the board or its
21 successor entity.

22 (e) Co-manage, with the National Aeronautics and Space
23 Administration and subject to the terms of an agreement with
24 NASA, operation of a Space Experiment Research and Processing
25 Laboratory, if such a facility is constructed on land of the
26 John F. Kennedy Space Center. The institute shall carry out
27 such responsibility through a consortium of public and private
28 universities in the state led by the University of Florida.

29 (f) Develop initiatives to foster the participation of
30 the state's space industry in the International Space Station
31 and to help the state maintain and enhance its competitive

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1 position in the commercial space-transportation industry.

2 (g) Pursue partnerships with the National Aeronautics
3 and Space Administration to coordinate and conduct research in
4 fields, including, but not limited to, environmental
5 monitoring; agriculture; aquatics; resource reutilization
6 technologies for long-duration space missions; and spaceport
7 technologies which support current or next-generation launch
8 vehicles and range systems.

9 (h) Pursue partnerships with the National Aeronautics
10 and Space Administration for the conduct of space-related
11 research using computer technology to connect experts in a
12 given field of science who are in disparate locations and to
13 perform research experiments in a real-time, virtual
14 environment.

15 (4) By December 15 ± of each year, the institute shall
16 submit a report of its activities and accomplishments for the
17 ~~prior fiscal~~ year to the Governor, the President of the
18 Senate, and the Speaker of the House of Representatives. The
19 report shall also include recommendations regarding actions
20 the state should take to enhance the development of
21 space-related businesses, including:

22 (a) Future research activities.

23 (b) The development of capital and technology
24 assistance to new and expanding industries.

25 (c) The removal of regulatory impediments.

26 (d) The establishment of business development
27 incentives.

28 (e) The initiation of education and training programs
29 to ensure a skilled workforce.

30 Section 15. Space Industry Workforce Initiative.--

31 (1) The Legislature finds that the space industry is

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1 critical to the economic future of the state and that the
2 competitiveness of the industry in the state depends upon the
3 development and maintenance of a qualified workforce. The
4 Legislature further finds that the space industry in this
5 state has diverse and complex workforce needs, including, but
6 not limited to, the need for qualified entry-level workers,
7 the need to upgrade the skills of technician-level incumbent
8 workers, and the need to ensure continuing education
9 opportunities for workers with advanced educational degrees.
10 It is the intent of the Legislature to support programs
11 designed to address the workforce development needs of the
12 space industry in this state.

13 (2) The Workforce Development Board of Enterprise
14 Florida, Inc., or its successor entity, shall coordinate
15 development of a Space Industry Workforce Initiative in
16 partnership with the Florida Space Research Institute, the
17 institute's consortium of public and private universities,
18 community colleges, and other training providers approved by
19 the board. The purpose of the initiative is to use or revise
20 existing programs and to develop innovative new programs to
21 address the workforce needs of the space industry.

22 (3) The initiative shall emphasize:

23 (a) Curricula content and timeframes developed with
24 industry participation and endorsed by the industry;

25 (b) Programs that certify persons completing training
26 as meeting industry-approved standards or competencies;

27 (c) Use of distance-learning and computer-based
28 training modules as appropriate and feasible;

29 (d) Industry solicitation of public and private
30 universities to develop continuing education programs at the
31 master's and doctoral levels;

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1 (e) Agreements with the National Aeronautics and Space
2 Administration to replicate on a national level successful
3 training programs developed through the initiative; and

4 (f) Leveraging of state and federal workforce funds.

5 (4) The Workforce Development Board of Enterprise
6 Florida, Inc., or its successor entity, with the assistance of
7 the Florida Space Research Institute, shall convene
8 representatives from the space industry to identify the
9 priority training and education needs of the industry and to
10 appoint a team to design programs to meet such priority needs.

11 (5) The Workforce Development Board of Enterprise
12 Florida, Inc., or its successor entity, as part of its
13 statutorily prescribed annual report to the Legislature, shall
14 provide recommendations for policies, programs, and funding to
15 enhance the workforce needs of the space industry.

16
17 (Redesignate subsequent sections.)

18
19
20 ===== T I T L E A M E N D M E N T =====

21 And the title is amended as follows:

22 On page 2, line 21, after the first semicolon

23
24 insert:

25 amending s. 331.368, F.S.; expanding the
26 purpose of the Florida Space Research
27 Institute; revising the membership of the
28 institute; prescribing additional duties of the
29 institute; creating the Space Industry
30 Workforce Initiative; requiring the Workforce
31 Development Board of Enterprise Florida, Inc.,

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1 to develop initiatives to address the workforce
2 needs of the industry; prescribing criteria;
3 requiring the board to convene industry
4 representatives; requiring a report;
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