**Minutes**

**Space Authority Meeting**

**12/19/17**

**Call to order**

1:04 P.M.

**Welcome**

Remarks made by Dr. Deborah Barnhart, Senator Gerald Dial, and Representative Howard Sanderford.

**Roll Call**

Present: 7 Absent: 7

Dr. Deborah Barnhart Mr. William Hutto, Jr.

Sen. Gerald Dial Mr. John Cooper

Rep. Howard Sanderford Mr. Stephen Cook

Mr. Luther Roberts, Jr. Mr. Greg Canfield

Dr. John Eagerton, IV Mr. Clinton Carter

Mr. Kenneth Boswell Dr. Andrew Hugine

Dr. Robert Altenkirch Governor Kay Ivey

**Introduction**

Members and guests introduced themselves

Members

Kenneth Boswell – Director, Alabama Department of Economic & Community Affairs (ADECA)

Butch Roberts – Deputy Director, Huntsville-Madison County Airport Authority

Robert Altenkirch – President, University of Alabama in Huntsville

Dr. John Eagerton – Chief of Aeronautics Bureau, Alabama Dept. of Transportation (ALDOT)

Guests

Glenn Rizner – FAA Chief of Staff, Office of Commercial Space Transportation

Trevor Daniels – US Space & Rocket Center

Maureen E. Neighbors – Energy Division Chief, ADECA

Steve Livingston – State Senator for District 8

George Holden

**Nominations**

Chair

Sen. Gerald Dial was nominated by Rep. Howard Sanderford, second by Mr. Kenneth Boswell. Nomination was closed and Sen. Dial was elected as Chair through unanimous acclamation.

Vice Chair

Rep. Howard Sanderford was nominated by Sen. Gerald Dial. Rep. Sanderford declined the nomination; Sen. Dial withdrew the nomination. Rep. Sanderford nominated Dr. Deborah Barnhart, second by Sen. Dial. Dr. Barnhart was elected as Vice Chair by unanimous acclamation.

**Presentation**

Glenn Rizner, Chief of Staff, Office of Commercial Space Transportation, Federal Aviation Administration (See Power Point).

1. Background
2. Commercial Space Laws
3. What types of activities is FAA/AST involved in?
4. FAA Authority
5. Spaceports: Launch Site Operator License (LSOL)- Part 420 Reentry Site Operator License- Part 433
6. Current Trend: U.S. Launch Sites- “Spaceports”
7. Licensed Spaceports
8. Proposed Spaceports
9. Future Spaceports
10. Existing and Proposed Global Spaceports
11. Safe Integration
12. Reusable Launch Vehicles
13. Rocket Reusability
14. Non- Traditional Reusability
15. New Heavy-Lift Systems F9H & SLS
16. Government as a Customer Commercial Procurement of Launch Services
17. Suborbital Human Spaceflight
18. Global Point-to-Point Travel
19. In Space Commercial Operations
20. Pre-Application Consultation
21. AST Authorization Process Overview
22. Pre-Application Consultation
23. Authorization Process Overview
24. National Space Council
25. New Space Policy Directive

**Discussion**

Sen. Dial suggested discussion topic including what type of launch (vertical or horizontal), feasibility, location, and legislation.

Mr. Rizner discussed the Commercial Space Flight Federation Conference with FAA.

Mr. Boswell asked if there are costs associated with licensing and Mr. Rizner indicated that there were not.

Dr. Barnhart asked if there are considerations that might impede Alabama from licensure such as military aviation training in the Gulf. Mr. Rizner indicated there were several considerations including horizontal launch from the runway, suborbital flight versus orbital market, and restricted air space.

Mr. Daniels asked about jurisdiction over Dream Chaser. Mr. Rizner indicated that it was a complex issue, but while there is an advisory committee for all users, there is not a definitive jurisdiction for Dream Chaser.

Mr. Webb indicated that while there is no cost to submit an application, there is significant cost to develop an idea, as much as $2,000,000.00. Mr. Rizner indicated that all applications are different, so costs would vary.

Sen. Dial asked about funding for spaceport development. Mr. Rizner indicated that there was a space transportation infrastructure matching grant program from 2010 through 2012, but currently there is not a funding program.

**Resolution**

Sen. Dial presented the Resolution to Glenn Rizner.

**Next Meeting**

Sen. Dial and Dr. Barnhart will set the next meeting in Montgomery.

**Adjourn**

2:20 P.M.