

**FLORIDA COMMISSION ON HURRICANE  
LOSS PROJECTION METHODOLOGY**

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Insurance Consumer Advocate,  
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Jared Moskowitz, J.D.  
Director,  
Florida Division of Emergency Management

Vacant  
Professional Structural Engineer

Vacant  
Insurance Finance Expert

June 11, 2019

Ms. Brandie Andrews  
AIR Worldwide Corporation  
131 Dartmouth Street, 4<sup>th</sup> Floor  
Boston, MA 02116-5134

Dear Ms. Andrews:

This will confirm the finding of the Florida Commission on Hurricane Loss Projection Methodology on June 11, 2019, that the AIR Worldwide Corporation model has been determined acceptable for projecting hurricane loss costs and hurricane probable maximum loss levels for residential rate filings. The determination of acceptability expires on November 1, 2021.

The Commission has determined that the AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone<sup>®</sup> Version 6.1.0 limited to the options selected in the input form provided in Standard A-1, Hurricane Modeling Input Data and Output Reports, Disclosure 4 complies with the standards adopted by the Commission on October 25, 2017, and concludes that the AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone<sup>®</sup> Version 6.1.0 limited to the Florida hurricane model options selected (Standard A-1, Hurricane Modeling Input Data and Output Reports, Disclosure 4) is sufficiently accurate and reliable for projecting hurricane loss costs and hurricane probable maximum loss levels for residential property in Florida.

Ms. Brandie Andrews  
AIR Worldwide Corporation  
June 11, 2019  
Page Two

On behalf of the Commission, I congratulate you and your colleagues. We appreciate your participation and input in this process.

Sincerely,

A handwritten signature in black ink, appearing to read "Floyd Yager", with a stylized flourish at the end.

Floyd Yager, Chair  
Florida Commission on Hurricane Loss Projection Methodology

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July 31, 2019

Ms. Brandie Andrews  
AIR Worldwide Corporation  
131 Dartmouth Street, 4<sup>th</sup> Floor  
Boston, MA 02116-5134

Dear Ms. Andrews:

On July 23, 2019, AIR notified the Florida Commission on Hurricane Loss Projection Methodology (Commission) of edits to Standard CI-7, Hurricane Model Security, which were omitted from the final submission for the AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone<sup>®</sup> 6.1.0, and identified the edits as a Type I difference in the submission document.

As Chair, I have reviewed and assessed, with input from the Professional Team, the submitted Forms A-1 (Zero Deductible Personal Residential Hurricane Loss Costs by ZIP Code), A-4B (Hurricane Output Ranges, 2017 FHCF Exposure Data), A-8B (Hurricane Probable Maximum Loss for Florida, 2017 FHCF Exposure Data), and S-5 (Average Annual Zero Deductible Statewide Hurricane Loss Costs – Historical versus Modeled), and the addendum to the previous May 31, 2019 submission. The documentation and explanations provided are sufficient, and a change in the model version identification is not required.

Ms. Brandie Andrews  
AIR Worldwide Corporation  
July 31, 2019  
Page Two

This will confirm that the AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone® Version 6.1.0 remains acceptable under the 2017 Hurricane Standards. The determination of acceptability expires on November 1, 2021.

Sincerely,

A handwritten signature in black ink, appearing to read "Floyd Yager", written in a cursive style.

Floyd Yager, Chair  
Florida Commission on Hurricane Loss Projection Methodology

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August 30, 2019

Ms. Brandie Andrews  
AIR Worldwide Corporation  
131 Dartmouth Street, 4<sup>th</sup> Floor  
Boston, MA 02116-5134

Dear Ms. Andrews:

On July 24, 2019, AIR requested the Florida Commission on Hurricane Loss Projection Methodology consider the software platform update, Touchstone 7.0.0 containing the AIR Hurricane Model for the United States Version 17.0.1 functionally equivalent to the AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone Version 6.1.0 and acceptable under the 2017 Standards.

In accordance with the procedures for Interim Model Updates after a Model has been Determined to be Acceptable by the Commission in the 2017 Hurricane Standards Report of Activities, as Chair, I have reviewed and assessed, with input from the Professional Team, all documentation and the regression test results submitted and have confirmed that the interim software update does not produce significant differences in hurricane loss costs and hurricane probable maximum loss levels from the currently-accepted AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone Version 6.1.0.

Ms. Brandie Andrews  
AIR Worldwide Corporation  
August 30, 2019  
Page Two

This will confirm that the AIR Hurricane Model for the United States Version 17.0.1 as implemented in Touchstone 7.0.0 is functionally equivalent to the currently-accepted AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone Version 6.1.0 and is acceptable for projecting hurricane loss costs and hurricane probable maximum loss levels for residential rate filings in Florida. The determination of acceptability expires on November 1, 2021.

Sincerely,

A handwritten signature in black ink, appearing to read "Floyd Yager", written in a cursive style.

Floyd Yager, Chair  
Florida Commission on Hurricane Loss Projection Methodology

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December 26, 2019

Ms. Brandie Andrews  
AIR Worldwide Corporation  
131 Dartmouth Street, 4<sup>th</sup> Floor  
Boston, MA 02116-5134

Dear Ms. Andrews:

On December 12, 2019, AIR requested the Florida Commission on Hurricane Loss Projection Methodology consider the software platform updates in Touchstone 7.0.7 and Touchstone 7.1.3, containing the AIR Hurricane Model for the United States Version 17.0.1, to be functionally equivalent to the AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone Version 6.1.0 and acceptable under the 2017 Standards.

In accordance with the procedures for Interim Model Updates after a Model has been Determined to be Acceptable by the Commission in the 2019 Hurricane Standards Report of Activities, as Chair, I have reviewed and assessed, with input from a subset of the Professional Team, all documentation and the regression test results submitted and have confirmed that the interim software updates do not produce significant differences in hurricane loss costs and hurricane probable maximum loss levels from the currently-accepted AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone Version 6.1.0.

Ms. Brandie Andrews  
AIR Worldwide Corporation  
December 26, 2019  
Page Two

This will confirm that the AIR Hurricane Model for the United States Version 17.0.1 as implemented in Touchstone 7.0.7 and as implemented in Touchstone 7.1.3 is functionally equivalent to the currently-accepted AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone Version 6.1.0 and is acceptable for projecting hurricane loss costs and hurricane probable maximum loss levels for residential rate filings in Florida. The determination of acceptability expires on November 1, 2021.

Sincerely,

A handwritten signature in black ink, appearing to read "Floyd Yager", written in a cursive style.

Floyd Yager, Chair  
Florida Commission on Hurricane Loss Projection Methodology



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February 13, 2020

Ms. Brandie Andrews  
AIR Worldwide Corporation  
131 Dartmouth Street, 4<sup>th</sup> Floor  
Boston, MA 02116-5134

Dear Ms. Andrews:

On February 7, 2020, AIR requested the Florida Commission on Hurricane Loss Projection Methodology consider the software platform update in Touchstone 7.3.0, containing the AIR Hurricane Model for the United States Version 17.0.1, to be functionally equivalent to the AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone Version 6.1.0 and acceptable under the 2017 Standards.

In accordance with the procedures for Interim Model Updates after a Model has been Determined to be Acceptable by the Commission in the 2019 Hurricane Standards Report of Activities, as Chair, I have reviewed and assessed, with input from a subset of the Professional Team, all documentation and the regression test results submitted and have confirmed that the interim software update does not produce significant differences in hurricane loss costs and hurricane probable maximum loss levels from the currently-accepted AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone Version 6.1.0.

Ms. Brandie Andrews  
AIR Worldwide Corporation  
February 13, 2020  
Page Two

This will confirm that the AIR Hurricane Model for the United States Version 17.0.1 as implemented in Touchstone 7.3.0 is functionally equivalent to the currently-accepted AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone Version 6.1.0 and is acceptable for projecting hurricane loss costs and hurricane probable maximum loss levels for residential rate filings in Florida. The determination of acceptability expires on November 1, 2021.

Sincerely,

A handwritten signature in black ink, appearing to read "Floyd M. Yager", written in a cursive style.

Floyd Yager, Chair  
Florida Commission on Hurricane Loss Projection Methodology

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March 16, 2021

Ms. Brandie Andrews  
AIR Worldwide Corporation  
131 Dartmouth Street, 4<sup>th</sup> Floor  
Boston, MA 02116-5134

Dear Ms. Andrews:

On January 20, 2021, AIR requested the Florida Commission on Hurricane Loss Projection Methodology consider the interim software update and the interim geographical update in Touchstone Version 8.2.5 containing the AIR Hurricane Model for the United States Version 17.0.1 acceptable under the 2017 Standards.

In accordance with the procedures for Interim Model Updates after a Model has been Determined to be Acceptable by the Commission and Interim Updates to Geographical or Other Data after a Model has been Determined to be Acceptable by the Commission in the 2019 Report of Activities, as Chair, I have reviewed and assessed, with input from the Professional Team, all documentation and the regression test results submitted and have confirmed that the interim software update and the interim geographical update do not produce significant differences in hurricane loss costs and hurricane probable maximum loss levels from the currently-accepted AIR Hurricane Model for the United States Version 17.0.0 as implemented in Touchstone Version 6.1.0.

Ms. Brandie Andrews  
AIR Worldwide Corporation  
March 16, 2021  
Page Two

This will confirm that the AIR Hurricane Model for the United States Version 17.0.1 as implemented in Touchstone Version 8.2.5 is acceptable for projecting hurricane loss costs and hurricane probable maximum loss levels for residential rate filings in Florida. The determination of acceptability expires on November 1, 2021.

Sincerely,

A handwritten signature in black ink, appearing to read "Floyd Yager", written in a cursive style.

Floyd Yager, Chair  
Florida Commission on Hurricane Loss Projection Methodology