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Attached is an approved DRA renewal for Dr. R. T. Whitcomb

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<tr>
<th>Name</th>
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<tr>
<td>Yvonne W. Beyer</td>
<td>46070</td>
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**Code (or other designation)**

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*NASA FORM 26  JUN 78  PREVIOUS EDITIONS MAY BE USED.*
MEMORANDUM OF AGREEMENT

This document constitutes an agreement between the Langley Research Center and Richard T. Whitcomb

Part I - Applicant's Statement

I request permission to conduct research as described below (and as detailed in any cited attachments, and/or as subsequently amended in accordance with the provisions of Part IV, Section 2) as a Langley Distinguished Research Associate (hereinafter referred to as DRA).

a. Proposed research objectives and plans: Prepare and present papers, talks, and lectures on Aeronautical research conducted by the Langley Research Center.

b. Type and time requirements for use of existing Langley facilities and equipment: Office space and desk.

c. Type and time requirements for personnel support, computing services, laboratory areas, and special models, special apparatus, and special equipment: Secretarial assistance, 10 hours; figure and slide preparation assistance, 20 hours.

Applicant's Signature: ____________________________ Date: July 15, 1989

This document shall be submitted to the Director for Management Operations for specific routing to appropriate Center officials.

Part II - Endorsements

Signature Date
Douglas L. Dwoyer, Chief
Fluid Mechanics Division
Typed Name Title

Signature Date
Roy V. Harris, Jr.
Director for Aeronautics
Typed Name Title

John F. Stokes
Director for Management Operations
Typed Name Title

Part III - Approval

This Agreement is approved for the following time period: March 1, 1989, through February 28, 1990.

Chief Scientist: ____________________________ Date: August 17, 1989

NASA Langley Form 111 (Rev. August 1980) Prescribing Document LMI 1300.4
MEMORANDUM OF AGREEMENT

This document constitutes an agreement between the Langley Research Center and Richard T. Whitcomb

Part I – Applicant’s Statement

I request permission to conduct research as described below (and as detailed in any cited attachments, and/or as subsequently amended in accordance with the provisions of Part IV, Section 2) as a Langley Distinguished Research Associate (hereinafter referred to as DRA).

a. Proposed research objectives and plans: For the first year will act as consultant for various research efforts associated with the Langley 8' transonic pressure tunnel, including the powered nacelle-supercritical wing investigation, the development of wind tunnel test section modifications required for the shuttle tile experiment, and the laminar flow control airfoil investigation.

b. Type and time requirements for use of existing Langley facilities and equipment: No direct use of Langley facilities and equipment.

c. Type and time requirements for personnel support, computing services, laboratory areas, and special models, special apparatus, and special equipment: No direct need for technical support. Some secretarial support required.

Richard T. Whitcomb 5-20-80

Applicant’s Signature Date

This document shall be submitted to the Director for Administration for specific routing to appropriate Center officials.

Part II – Endorsements

Signature Date
Typed Name Title

Signature Date
Typed Name Title

Signature Date
Typed Name Title

Part III – Approval

This Agreement is approved for the following time period

Associate Director

Date

NASA Langley Form 111 (Aug. 1971)

Prescribing Document LMI 1300.4
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
Langley Research Center
Hampton, Virginia 23365

Langley Distinguished Research Associate

MEMORANDUM OF AGREEMENT

This document constitutes an agreement between the Langley Research Center and Richard T. Whitcomb

Part I - Applicant's Statement

I request permission to conduct research as described below (and as detailed in any cited attachments, and/or as subsequently amended in accordance with the provisions of Part IV, Section 2) as a Langley Distinguished Research Associate (hereinafter referred to as DRA).

a. Proposed research objectives and plans: For the first year will act as consultant for various research efforts associated with the Langley 8' transonic pressure tunnel, including the powered nacelle-supercritical wing investigation, the development of wind tunnel test section modifications required for the shuttle tile experiment, and the laminar flow control airfoil investigation.

b. Type and time requirements for use of existing Langley facilities and equipment: No direct use of Langley facilities and equipment. Requires a desk, filing cabinet and office space.

c. Type and time requirements for personnel support, computing services, laboratory areas, and special models, special apparatus, and special equipment: No direct need for technical support. Some secretarial support required.

Richard T. Whitcomb
Applicant's Signature
5-20-80

This document shall be submitted to the Director for Administration for specific routing to appropriate Center officials.

Part II - Endorsements

Percy J. Bobbitt, Chief, STAD
Typed Name Title
Signature Date
Perry Dar 5/23/80

Robert E. Bower
Typed Name Title
Director for Aero.
Signature Date
Fred W. Bowen, Acting Director for Mgt. Ops.
Typed Name Title
5/27/80

Part III - Approval

This Agreement is approved for the following time period: June 2, 1980 through June 1, 1981

John C. Parker
Associate Director
Signature Date
5/27/80

NASA Langley Form 111 (Aug. 1971)

Prescribing Document LMI 1300.4